

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : BATTALION 31/ DIVISION 11 / BROOKLYN BOROUGH COMMANDER  
**Address** : 172 TILLARY STREET  
**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** : 03-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 134 **Lot** : 6 **BIN** : 3000252

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$75,800	
Interior Architecture	\$144,400	
Electrical	\$42,200	\$9,800
Mechanical		\$457,600
<b>Total</b>	<b>\$262,400</b>	<b>\$467,400</b>
Importance Code A	\$75,800	
Importance Code B	\$186,600	\$467,400
<b>Total</b>	<b>\$262,400</b>	<b>\$467,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$65,800			
Interior Architecture	\$32,400	\$500		\$1,600
Electrical	\$100	\$21,400	\$200	
Mechanical	\$5,900	\$29,800	\$10,400	\$2,700
<b>Total</b>	<b>\$104,200</b>	<b>\$51,700</b>	<b>\$10,600</b>	<b>\$4,300</b>
Importance Code A	\$66,000	\$200	\$200	\$200
Importance Code B	\$21,900	\$51,500	\$10,400	\$4,100
Importance Code C	\$16,400			
<b>Total</b>	<b>\$104,200</b>	<b>\$51,700</b>	<b>\$10,600</b>	<b>\$4,300</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**  
**BATTALION 31/ DIVISION 11 / BROOKLYN BOROUGH COMMANDER**  
**Asset # : 13103**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	60%	Now	\$75,800	LIFE	**	5	\$12,300	
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Lintels Supporting Masonry Above Windows And Brick Reliefs.</i>								
Metal Sect. OHD	10%			2039	**	5	\$6,400	
Granite Panels	30%	Now	\$13,300	LIFE	**	5	\$4,600	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	50%	Now	\$17,300	2051	**	5	\$200	
<i>Unit Inoperable, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Aluminum	50%			2034	**	5	\$400	
Parapets								
Masonry: Brick	82%	Now	\$14,200	LIFE	**	5	\$4,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Missing Portion Of Brick Parapet At Front Facade, Roof Level</i>								
Metal Cornice	5%			2054	**	10	\$900	
Metal Rail	3%	Now	\$100	2031	**	5	\$1,300	
<i>Loose/Miss Fasteners, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Granite Panels	10%			LIFE	**	5	\$600	
Roof								
Modified Bitumen	100%	Now	\$20,800	2031	**			
<i>Alligating, Extent : Light, Area Affected : 15%</i>								
<i>Location : Asphalt Joints Throughout.</i>								
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$6,800	LIFE	**	5	\$28,100	
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor And Stair Shaft Landings.</i>								
Ceramic Tile	10%			2035	**	5	\$3,200	
Terrazzo	10%			LIFE	**	5	\$2,500	
Vinyl Tile 9" X 9"	40%	4+	\$144,400	2036	**	3	\$4,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Office</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 12%</i>								
<i>Location : Partial Renovation On 2nd Floor</i>								
<i>Explanation : Currently Under Construction</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**BATTALION 31/ DIVISION 11 / BROOKLYN BOROUGH COMMANDER**  
**Asset # : 13103**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	10%			2035	**	5	\$2,100	
Concrete Masonry Unit	5%	Now	\$4,800	LIFE	**	5	\$400	
<i>Diagonal Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Mechanical Penthouse.</i>								
Gypsum Board	10%			LIFE	**	5	\$1,300	
<i>Other Observation, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : Partial Renovation At 2nd Floor Spaces</i>								
<i>Explanation : Currently Under Construction</i>								
Plaster	35%			LIFE	**	5	\$2,200	
SGFT/Glazed Masonry	25%	Now	\$10,500	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Gymnasium And Apparatus Floor.</i>								
SGFT/Glazed Masonry	15%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2046	**	5	\$1,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Partial Renovation At 2nd Floor Spaces</i>								
<i>Explanation : Currently Under Construction</i>								
Exposed Concrete	35%			LIFE	**	5	\$600	
Plaster	55%	0-2	\$7,600	LIFE	**	5	\$3,600	
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stair Shaft And Shower Area On 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen And 2nd Floor Throughout</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Not Accessible	100%							
Switchgear / Switchboard								
Not Accessible	100%							
Raceway								
Conduit	50%			2026	\$16,000	1		
Conduit	50%			2046	**	1		
Panelboards								
Molded Case Bkrs	75%			2042	**	5	\$400	
Molded Case Bkrs	25%			2025	\$9,800	5	\$100	
Wiring								
Thermoplastic	100%			2036	**	1		
Motor Controllers								
Motor Control Center	100%			2024	\$14,700	5	\$600	
<b>Ground</b>								

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**Asset # : 13103**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Not Accessible	100%							
<b>Lighting</b>								
Interior Lighting Fluorescent	99%			2031	**	10	\$19,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8</i>								
Incandescent	1%			2021	\$1,400	2		
<b>Exterior Lighting</b>								
HID	50%			2021	\$42,200	10		
No Component	50%							
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source Natural Gas	15%			2056	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Serves Space Currently Being Renovated</i>								
Not Accessible	85%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Served By Adjacent Building</i>								
Conversion Equipment Hot Water Boiler	15%			2046	**	1	\$1,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Serves Space Currently Being Renovated</i>								
Not Accessible	85%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Served By Adjacent Building</i>								
<b>Distribution</b>								
Hot Wtr Piping/Pump	85%			2042	**	4	\$900	
Hot Wtr Piping/Pump	15%			2051	**	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Serves Space Currently Being Renovated</i>								

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**FIRE DEPARTMENT - 057**  
**BATTALION 31/ DIVISION 11 / BROOKLYN BOROUGH COMMANDER**  
**Asset # : 13103**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Air Handler	40%			2026	\$117,700	1	\$5,400	
Convactor/Radiator	43%			2031	**	1	\$3,000	
Convactor/Radiator	15%			2046	**	1	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Serves Space Currently Being Renovated</i>								
Unit Heater - Steam	2%			2026	\$1,500	4		
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Reciprocating Compr/Chiller	60%			2026	\$106,600	1	\$6,100	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Mechanical Room</i>								
Exterior Pkg Unit - Cooling	20%			2031	**	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : R 410a</i>								
Window/Wall Unit	20%			2021	\$8,700	1		
Distribution								
CW & CHW Wtr Pipe/Pump	60%			2036	**	4	\$1,000	
Ductwork/Diffusers	40%			LIFE	**	2	\$11,400	
Terminal Devices								
Air Handler/Cool/Ht	60%			2026	\$140,900	1	\$8,100	
No Component	40%							
Heat Rejection								
Water Cooling Tower	60%			2024	\$47,700	2	\$13,200	
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$12,200	
Exhaust Fans								
Interior	60%			2026	\$44,700	2	\$400	
Roof	40%	Now	\$300	2026	\$13,900	2	\$200	
<i>Noisy/Vibrating, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		

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**FIRE DEPARTMENT - 057**  
**BATTALION 31/ DIVISION 11 / BROOKLYN BOROUGH COMMANDER**  
**Asset # : 13103**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Water Heater Electric	100%			2021	\$18,400	4	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : 2 - 120 Gallon Units</i>					
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Fixtures Generic	100%						
Fire Suppression	Sprinkler No Component Generic	95%			2046	**	1-2	\$300

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : BATTALION 45 OLD EMS STATION 46  
**Address** : 58-65 52ND ROAD @ E.106 ST  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIR0016.000 / 4438 **Yr Built/Renovated** : 1956 / 1998  
**Area Sq Ft** : 27,000 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 18-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 2351 **Lot** : 23 **BIN** : 4054172

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$306,100	
Interior Architecture	\$281,000	\$36,500
Electrical		\$77,200
Mechanical		\$125,300
Site Pavements	\$58,000	
<b>Total</b>	<b>\$645,100</b>	<b>\$239,100</b>
Importance Code A	\$306,100	\$36,300
Importance Code B	\$281,000	\$202,800
Importance Code C	\$58,000	
<b>Total</b>	<b>\$645,100</b>	<b>\$239,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$35,900		\$3,900	
Interior Architecture	\$79,900		\$6,700	\$6,700
Electrical	\$3,200	\$2,200	\$2,700	\$3,900
Mechanical	\$25,100	\$2,500	\$3,900	\$2,500
<b>Total</b>	<b>\$144,100</b>	<b>\$4,700</b>	<b>\$17,200</b>	<b>\$13,200</b>
Importance Code A	\$42,500	\$1,300	\$5,000	\$1,300
Importance Code B	\$83,000	\$3,400	\$12,100	\$11,000
Importance Code C	\$18,500			\$900
<b>Total</b>	<b>\$144,100</b>	<b>\$4,700</b>	<b>\$17,200</b>	<b>\$13,200</b>



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**FIRE DEPARTMENT - 057**  
**BATTALION 45 OLD EMS STATION 46**  
**Asset # : 4438**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	10%	Now	\$20,700	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East And West Facades</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade, West Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade</i>								
Masonry: Brick	10%	4+	\$15,200	LIFE	**	5	\$2,500	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%			2049	**	5-10	\$8,500	
Metal Coiling Doors	10%			2042	**	5	\$7,700	
Stucco Cement	65%	Now	\$142,100	2034	**	5	\$20,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Northeast Corner</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Corners, North And West Facades</i>								
Windows								
Aluminum	75%	4+	\$68,800	2045	**	5	\$2,700	
<i>Hardware Missing, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Various Windows In Telemetry Unit</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Telemetry Unit</i>								
Steel	25%	Now	\$95,200	2054	**	5	\$11,200	
<i>Air Infiltration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Garage</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Garage</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Garage</i>								
Parapets								
Under Construction	100%							
Roof								
Under Construction	100%							

Interior

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**FIRE DEPARTMENT - 057**  
**BATTALION 45 OLD EMS STATION 46**  
**Asset # : 4438**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$177,300	LIFE	**	5	\$36,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Emergency Response Area - Garage</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Emergency Response Area</i>								
<i>Uneven Surface, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Emergency Response Area - Garage</i>								
Ceramic Tile	3%			2038	**	5	\$1,100	
Panel/Paver: Cer/Brk	5%			2037	**	5	\$4,200	
Quarry Tile	3%			2034	**	5	\$1,700	
Raised Access Floor	5%			2038	**	5	\$7,000	
Steel Plate	1%	Now	\$34,600	LIFE	**	1		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Emergency Response Area</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Emergency Response Area</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Emergency Response Area</i>								
Vinyl Tile	38%	4+	\$24,500	2034	**	3	\$5,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2038	**	5	\$1,900	
Concrete Masonry Unit	70%			LIFE	**	5	\$21,100	
Gypsum Board	25%	0-2	\$8,000	LIFE	**	5	\$5,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Toilet Rooms</i>								
Ceilings								
AcousTileConcealSpLn	20%			2042	**	5	\$9,300	
AcousTileSusp.Lay-In	15%	Now	\$2,300	2034	**	5	\$2,800	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Office</i>								
Exposed Struc: Steel	65%	Now	\$103,700	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Emergency Response Area</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
On-Site Walkways								
Cast in Place Concrete	100%			2042	**			

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**FIRE DEPARTMENT - 057**  
**BATTALION 45 OLD EMS STATION 46**  
**Asset # : 4438**

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

## Site Pavements

Parking/Driveway  
Asphalt

100% 0-2 \$58,000 2038 \* \*

*Cracking/Crumbling, Extent : Moderate, Area Affected : 20%*

*Location : Parking Area*

*Misaligned/Bulging, Extent : Moderate, Area Affected : 20%*

*Location : Parking Area*

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

## Under 600 Volts

Service Equipment  
Fused Disc Sw

100% 2029 \$4,900 5 \$100

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

*Location : 1st Floor*

*Explanation : Main Service Disconnect Switch Rated At 400 Amperes.*

## Switchgear / Switchboard

Fused Disc Sw

80% 2029 \$39,900 5 \$100

Fused Disc Sw

20% 2049 \* \* 5

## Raceway

Conduit

80% 2029 \$25,600 1

Conduit

20% 2049 \* \* 1

## Panelboards

Fused Disc Sw

10% 2037 \* \* 5 \$100

Molded Case Bkrs

60% 2028 \$23,600 5 \$400

Molded Case Bkrs

20% 2045 \* \* 5 \$100

Molded Case Bkrs

10% 2037 \* \* 5 \$100

## Wiring

Thermoplastic

80% 2029 \$22,700 1

Thermoplastic

20% 2049 \* \* 1

## Motor Controllers

Locally Mounted

100% 2042 \* \* 5 \$200

## Ground

Grounding Devices

Generic

100% LIFE \* \* 5 \$800

## Stand-by Power

Transfer Switches

Automatic

100% 2042 \* \* 1 \$8,300

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**FIRE DEPARTMENT - 057**  
**BATTALION 45 OLD EMS STATION 46**  
**Asset # : 4438**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power Generators</b>								
Diesel	50%			2038	**	1	\$5,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Of The Building</i>								
<i>Explanation : Emergency Generator Rated At 81 Kilo-volt-ampere</i>								
Diesel	50%			2038	**	1	\$5,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Right Side Of The Building</i>								
<i>Explanation : Emergency Generator Rated At 83 Kilowatts</i>								
<b>Batteries</b>								
Lead/Acid	100%			2023		5	\$1,000	
<b>Fuel Storage</b>								
Main Tank	50%			2057	**	5	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Of The Building</i>								
<i>Explanation : 60 Gallon Rated Capacity</i>								
Main Tank	50%			2057	**	5	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Right Side Of The Building</i>								
<i>Explanation : 250 Gallon Rated Capacity</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	20%			2029	\$13,700	10	\$4,500	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Telemetry Section</i>								
Fluorescent	60%			2034	**	10	\$13,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Shops, Offices</i>								
HID	10%			2029	\$2,500	10	\$100	
LED	10%			2037	**			
<b>Egress Lighting</b>								
Emergency, Service	50%			2029	\$6,200	1		
Exit, Service	50%			2029	\$1,400	1		
<b>Exterior Lighting</b>								
HID	30%			2024	\$31,200	10		
No Component	70%							
<b>Alarm</b>								
<b>Security System</b>								
No Component	70%							
Generic	30%			2029	\$25,000	1	\$3,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Perimeter Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

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**FIRE DEPARTMENT - 057**  
**BATTALION 45 OLD EMS STATION 46**  
**Asset # : 4438**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Electricity	5%			2039	**	1		
Natural Gas	95%			2039	**	1		
<b>Conversion Equipment</b>								
Furnace	10%	0-2	\$5,600	2039	**	1	\$1,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Total Five Rooftop Units. One Abandoned Package Unit</i>								
Furnace	20%			2029	\$11,200	1	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Rooftop Units</i>								
Furnace	20%			2034	**	1	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Rooftop Package Units</i>								
Furnace	45%			2029	\$25,100	1	\$5,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor And Radio Shop Ceiling</i>								
<i>Explanation : 4 Gas Fired Modine Heaters</i>								
Radiant Heater	5%			2029	\$21,000	2	\$600	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2037	**	1		
<b>Conversion Equipment</b>								
Ext Pkg Unit - Heating/Cooling	30%			2029	\$89,000	2	\$500	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units</i>								
Ext Pkg Unit - Heating/Cooling	30%			2034	**	2	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units Using Refrigerant R-410a</i>								
Window/Wall Unit	10%			2024	\$4,900	1		
No Component	30%							
<b>Dehumidifier</b>								
No Component	80%							
Generic	20%			2030	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Radio Shop</i>								
<i>Explanation : 2 Units</i>								
<b>Ventilation</b>								

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**FIRE DEPARTMENT - 057**  
**BATTALION 45 OLD EMS STATION 46**  
**Asset # : 4438**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	80%			LIFE	**	2-5	\$17,500
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$4,400
<b>Exhaust Fans</b>								
	Roof	60%			2029	\$23,600	2	\$500
	Wall Unit	10%			2024	\$800	2	\$100
	No Component	30%						
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%			2039	**	1	
<b>Water Heater</b>								
	Gas Fired	100%			2024	\$14,500	2	\$400
<b>Sanitary Piping</b>								
	Cast Iron	100%	0-2	\$8,700	LIFE	**	1	
	<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Apparatus Floor</i>							
<b>Storm Drain Piping</b>								
	Cast Iron	100%	0-2	\$1,000	LIFE	**	1	
	<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Roof</i>							
<b>Backflow Preventer</b>								
	Generic	100%			2024	\$6,000	1	\$1,500
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
<b>Sprinkler</b>								
	Generic	100%			2039	**	1-2	\$6,900

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 19-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 3126 **Lot** : 12 **BIN** : 2013192

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$325,500
Interior Architecture	\$239,700	\$44,100
Electrical		\$170,900
Mechanical		\$51,800
<b>Total</b>	<b>\$239,700</b>	<b>\$592,400</b>
Importance Code A		\$325,500
Importance Code B	\$239,700	\$222,700
Importance Code C		\$44,100
<b>Total</b>	<b>\$239,700</b>	<b>\$592,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$45,700	\$2,700	\$1,500	
Interior Architecture	\$40,800	\$1,100		
Electrical	\$5,900	\$19,100	\$1,100	\$1,100
Mechanical	\$1,800	\$25,200	\$4,300	\$1,800
<b>Total</b>	<b>\$94,100</b>	<b>\$48,200</b>	<b>\$6,800</b>	<b>\$2,900</b>
Importance Code A	\$46,800	\$4,000	\$2,600	\$1,100
Importance Code B	\$15,200	\$44,200	\$4,200	\$1,800
Importance Code C	\$32,100			
<b>Total</b>	<b>\$94,100</b>	<b>\$48,200</b>	<b>\$6,800</b>	<b>\$2,900</b>



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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	20%	Now	\$4,700	2046	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Vinyl Vent Soffit At Roof Level</i>								
Masonry: Brick	55%	Now	\$29,300	LIFE	**	5	\$19,100	
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Facade</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Rear Facade</i>								
Masonry: Brick	13%			LIFE	**	5	\$4,500	
Masonry: Granite	2%			LIFE	**	5	\$500	
Metal Sect. OHD	5%			2031	**	5	\$5,400	
Stucco Cement	5%	Now	\$5,100	2031	**	5	\$2,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Roof Wall</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Roof Wall</i>								
Windows								
Aluminum	100%			2042	**	5	\$3,000	
Parapets								
Masonry: Brick	85%			LIFE	**	5	\$3,600	
<i>Efflorescence, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roofs</i>								
Masonry: Granite	5%			LIFE	**	5	\$300	
Masonry: Limestone	10%			LIFE	**	5	\$500	
Roof								
Modified Bitumen	100%	Now	\$6,500	2026	\$325,500			
<i>Alligatoring, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Roof Lap Seams.</i>								
<i>Blisters, Extent : Light, Area Affected : 5%</i>								
<i>Location : Engine Side.</i>								
<i>Debris Present, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Lower Roof Area</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor Hatch.</i>								
<i>Explanation : Internal Fixed Hatch Ladder Pulling From Masonry.</i>								

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$48,400	LIFE	**	5	\$19,900	
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Both Building Apparatus Floors.</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement 1932 Section</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1932 Section</i>								
<i>Explanation : Apparatus Floor Slab Is Old And Does Not Carry Current Loads - Needs Replacement On 1932 Side</i>								
Ceramic Tile	10%			2035	**	5	\$2,300	
Quarry Tile	5%	Now	\$700	2031	**	5	\$900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Terrazzo	5%			LIFE	**	5	\$900	
Vinyl Tile	40%			2021	\$79,100	3	\$3,400	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2029	\$44,100	5	\$1,600	
Concrete Masonry Unit	50%	Now	\$7,100	LIFE	**	5	\$6,300	
<i>Vertical Cracks, Extent : Light, Area Affected : 50%</i>								
<i>Location : Engine Side Stair Shaft</i>								
Marble Panels	5%			LIFE	**			
Plaster	25%	Now	\$6,400	LIFE	**	5	\$2,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Roof Ladder Shaft At Second Floor</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor Both Houses.</i>								
SGFT/Glazed Masonry	15%	Now	\$18,600	LIFE	**			
<i>Diagonal Cracks, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Spider Cracking Throughout Engine Side Apparatus Floor.</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2039	**	5	\$1,100	
Exposed Concrete	50%	Now	\$112,200	LIFE	**	5	\$1,800	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Engine Side Basement Steel At Ceiling.</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Engine Side Basement.</i>								
Plaster	45%	Now	\$6,900	LIFE	**	5	\$6,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor Both Houses.</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Engine Side Of 1st Floor, 2nd Floor Locker Room</i>								

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

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
<b>Under 600 Volts</b>								
Service Equipment								
Molded Case Bkrs	100%			2026	\$4,900	5	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 300 Amperes Service</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2036	**	5	\$400	
Raceway								
Conduit	100%			2036	**	1		
Panelboards								
Molded Case Bkrs	50%			2025	\$19,700	5	\$200	
Molded Case Bkrs	50%			2034	**	5	\$200	
Wiring								
Thermoplastic	50%			2026	\$14,200	1		
Thermoplastic	50%			2036	**	1		
<b>Ground</b>								
Grounding Devices								
Generic	100%	0-2	\$2,900	LIFE	**	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Ground Clamp And Wire Are Corroded.</i>						
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2031	**	1	\$4,700	
Generators								
Diesel	100%			2029	\$67,200	1	\$5,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 25 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$600	
Fuel Storage								
Main Tank	100%			2041	**	5	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 275 Gallons</i>						
<b>Lighting</b>								
Interior Lighting								
Fluorescent	95%			2026	\$40,100	10	\$13,300	
Incandescent	5%			2021	\$5,000	2		
Egress Lighting								
Emergency, Service	100%			2026	\$7,600	1		
Exterior Lighting								
HID	75%			2026	\$44,000	10		
Incandescent	25%			2021	\$12,500	2		

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source	Natural Gas	100%		2046	**	1		
Conversion Equipment	Hot Water Boiler	50%		2039	**	1	\$3,800	
	Steam Boiler	50%		2039	**	1	\$7,500	
Distribution	Hot Wtr Piping/Pump	50%		2042	**	4	\$400	
	Central Plant Steam Piping/Pmp	50%		2046	**	4	\$400	
Terminal Devices	Convactor/Radiator	100%		2031	**	1	\$4,900	
<b>Air Conditioning</b>								
Energy Source	Electricity	100%		2042	**	1		
Conversion Equipment	Exterior Pkg Unit - Cooling	20%		2021	\$23,600	2	\$200	
	<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Roof</i>							
	Split Unit	5%		2031	**			
	Window/Wall Unit	60%		2024	\$18,200	1		
	No Component	15%						
Distribution	Ductwork/Diffusers	20%		LIFE	**	2	\$4,000	
	No Component	80%						
<b>Ventilation</b>								
Distribution	Ductwork/Diffusers	100%		LIFE	**	2-5	\$8,500	
Exhaust Fans	Interior	100%		2026	\$51,800	2	\$500	
<b>Plumbing</b>								
H/C Water Piping	Brass/Copper	100%		2036	**	1		
Water Heater	Gas Fired	100%		2024	\$8,900	2	\$200	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 - 75 Gallon Units</i>							
Sanitary Piping	Cast Iron	100%		LIFE	**	1		
Storm Drain Piping	Cast Iron	100%		LIFE	**	1		
Sump Pump(s)	Non-Submersible	100%		2031	**	4	\$300	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 Units</i>							

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	
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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 04-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 2909 **Lot** : 40 **BIN** : 2009541

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$120,600	
Interior Architecture	\$260,100	
<b>Total</b>	<b>\$380,700</b>	
Importance Code A	\$120,600	
Importance Code B	\$260,100	
<b>Total</b>	<b>\$380,700</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$55,000	\$2,000	\$12,100	\$900
Interior Architecture	\$69,000	\$1,100		\$1,000
Electrical	\$900	\$2,600	\$12,300	\$1,500
Mechanical	\$28,500	\$2,500	\$1,400	\$2,600
<b>Total</b>	<b>\$153,400</b>	<b>\$8,100</b>	<b>\$25,900</b>	<b>\$6,100</b>
Importance Code A	\$55,500	\$2,600	\$12,800	\$1,400
Importance Code B	\$61,400	\$4,900	\$13,100	\$4,600
Importance Code C	\$36,400	\$600		
<b>Total</b>	<b>\$153,400</b>	<b>\$8,100</b>	<b>\$25,900</b>	<b>\$6,100</b>



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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%	2-4	\$13,500	LIFE	**	5	\$12,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Front Facade</i>								
Masonry: Brick	70%	Now	\$69,800	LIFE	**	5	\$22,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
Masonry: Brownstone	10%	Now	\$31,300	LIFE	**	5	\$2,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Overhead Door Frames</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Overhead Door Frames</i>								
Wood Overhead Doors	15%			2032	**	5	\$24,300	
Windows								
Aluminum	100%			2043	**	5	\$1,700	
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$6,300	
Copper/Terne	20%			2071	**	5	\$3,900	
Masonry: Brick	60%			LIFE	**	5	\$2,400	
Roof								
Roll Roofing	90%	Now	\$10,200	2023	\$50,800	5	\$10,100	
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%			2047	**	10	\$2,200	
Skylight, Plastic	5%			2040	**	1		
Interior								
Floors								
Cast in Place Concrete	25%	2-4	\$9,500	LIFE	**	5	\$9,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Room</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	5%			2036	**	5	\$900	
Panel/Paver: Cer/Brk	15%	4+	\$16,200	2035	**	5	\$3,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : First Floor - Bronx Boro Command</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations - 1st Floor</i>								
Quarry Tile	10%			2040	**	5	\$2,700	
Vinyl Tile	45%			2032	**	3	\$4,000	

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	5%			2036	**	5	\$1,200	
Ceramic Tile	10%	Now	\$7,000	2030	**	5	\$1,200	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Communications - Aparatus Floor</i>								
Gypsum Board	75%			LIFE	**	5	\$11,100	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second And Third Floors</i>								
Masonry: Brick	10%	Now	\$29,500	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Sidewalk Vault</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	50%			2040	**	5	\$9,000	
Embossed Metal	25%			LIFE	**	5	\$2,000	
Exposed Struc: Steel	5%	0-2	\$193,000	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Beams Supported By Lolly Columns</i>								
Gypsum Board	10%			LIFE	**	5	\$2,200	
Masonry:Vault Struct	10%	Now	\$67,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Sidewalk Vault - Communications Side Of Building</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2027	\$4,900	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2- Main Service Disconnect Switches Rated At 200 Amperes</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2047	**	5	\$300	
<b>Raceway</b>								
Conduit	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**  
**BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE**  
**Asset # : 13383**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%			2043	**	5		
Molded Case Bkrs	95%			2043	**	5	\$300	
Wiring								
Thermoplastic	100%			2047	**	1		
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$3,700	
Generators								
Diesel	100%			2036	**	1	\$4,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Emergency Generator Rated At 80 Kilo-volt-ampere</i>								
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$400	
Fuel Storage								
Day Tank	50%			2043	**	5	\$1,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Main Tank	50%			2030	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2032	**	10	\$11,000	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Emergency, Service	40%			2032	**	1		
Emergency, Battery	10%			2032	**	10	\$300	
Exit, Service	50%			2032	**	1		
Exterior Lighting								
LED	10%			2032	**			
No Component	90%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	**	1	\$5,900	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE**  
**Asset # : 13383**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2049	**	4	\$900	
Terminal Devices								
Convactor/Radiator	75%			2044	**	1	\$2,900	
Unit Heater - Steam	25%			2032	**	4	\$400	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Split Unit	50%			2035	**			
		<i>Other Observation, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 16 Split Units Using R-410 A</i>						
No Component	50%							
Terminal Devices								
Fan Coil - 2 Pipe	50%			2035	**	1	\$1,900	
No Component	50%							
Heat Rejection								
Dry Cooler	50%			2035	**	2	\$4,200	
No Component	50%							
Ventilation								
Exhaust Fans								
Wall Unit	30%			2032	**	2	\$100	
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2053	**	1		
		<i>No Water Meter, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Water Heater								
Gas Fired	100%			2026	\$7,000	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1-75 Gallon Unit</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2027	\$1,700	4	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units - One Serves Each Side</i>						
Fixtures								
Generic	100%							
Fire Suppression								

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Chemical System							
	Generic	100%			2020	\$26,700	1-3	\$4,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Kitchen, 1st Floor</i> <i>Explanation : 1 Set</i>								

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 11,550 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 09-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Sub Basement, Roof, Floors 1  
**Block** : 319 **Lot** : 1 **BIN** : 5112428

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture			\$13,000	
Interior Architecture	\$12,300		\$2,100	
Electrical	\$2,100	\$1,900	\$3,600	\$2,100
Mechanical	\$3,400	\$5,100	\$4,000	\$6,800
<b>Total</b>	<b>\$17,800</b>	<b>\$6,900</b>	<b>\$22,700</b>	<b>\$9,000</b>
Importance Code A	\$600	\$600	\$13,600	\$600
Importance Code B	\$16,600	\$6,400	\$9,200	\$8,400
Importance Code C	\$700			
<b>Total</b>	<b>\$17,800</b>	<b>\$6,900</b>	<b>\$22,700</b>	<b>\$9,000</b>



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

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Cast in Place Concrete	3%			LIFE	**	5	\$1,400	
Masonry: Brick	80%			LIFE	**	5	\$7,600	
Metal Panel	5%			2047	**	5-10	\$3,300	
Metal Panel	10%			2047	**	5-10	\$6,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Service Room And Sun Shelves</i>								
<i>Explanation : Ancillary Structure</i>								
Window Wall	2%			2047	**	5	\$700	
<b>Windows</b>								
Aluminum	95%			2049	**	5	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Bullet Proof Glass</i>								
Glass Block	5%			LIFE	**	5	\$100	
<b>Roof</b>								
Modified Bitumen	90%			2032	**	10	\$9,000	
Modified Bitumen	10%			2032	**	10	\$1,000	
<b>Interior</b>								
<b>Floors</b>								
Carpet	25%			2028	\$54,200	3	\$6,200	
Cast in Place Concrete	25%			LIFE	**	5	\$9,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Topped With Epoxy Coating</i>								
Ceramic Tile	5%			2040	**	5	\$800	
Raised Access Floor	30%			2040	**	5	\$18,700	
Sheet Vinyl/Rubber	15%			2035	**	5	\$3,700	
<b>Interior Walls</b>								
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	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	30%			2044	**	5	\$5,000	
Exposed Concrete	45%			LIFE	**	5	\$1,200	
Exposed Struc: Steel	10%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Material Actually Concrete Metal Decking</i>								
Gypsum Board	15%			LIFE	**	5	\$3,100	

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

**Under 600 Volts**

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
	Service Equipment							
	Fused Disc Sw	100%			2053	**	5	\$100
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Electrical Room</i>					
			<i>Explanation : Main Service Disconnect Switch Rated At 2000 Amperes.</i>					
	Switchgear / Switchboard							
	Fused Disc Sw	100%			2053	**	5	\$100
	Raceway							
	Conduit	100%			2053	**	1	
	Panelboards							
	Molded Case Bkrs	100%			2049	**	5	\$300
	Wiring							
	Thermoplastic	100%			2053	**	1	
	Motor Controllers							
	Locally Mounted	10%			2044	**	5	
	Variable Frequency Drive	90%			2044	**		
<b>Ground</b>								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$200
<b>Stand-by Power</b>								
	Transfer Switches							
	Automatic	100%			2044	**	1	\$3,600
	Generators							
	Diesel	100%			2040	**	1	\$4,500
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Generator Room</i>					
			<i>Explanation : 2- 638kva Emergency Generator</i>					
	Batteries							
	Lead/Acid	100%			2022	\$1,500	5	\$400
	Fuel Storage							
	Day Tank	50%			2049	**	5	\$1,100
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Generator Room</i>					
			<i>Explanation : 275 Gallons Rated Capacity</i>					
	Underground Storage	50%			LIFE	**	5	\$400
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Underground</i>					
			<i>Explanation : No Available Nameplate Rating Capacity</i>					
<b>Lighting</b>								
	Interior Lighting							
	Fluorescent	95%			2035	**	10	\$10,100
			<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
	Fluorescent	5%			2035	**	10	\$500
			<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Hallways</i>					

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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**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Egress Lighting								
Emergency, Service	45%			2035	**	1		
Emergency, Battery	5%			2035	**	10	\$100	
Exit, LED	50%			2062	**	1		
Exterior Lighting								
Fluorescent	20%			2035	**	10	\$200	
			<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
No Component	80%							
<b>Alarm</b>								
Security System								
Generic	100%			2032	**	1	\$4,300	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : CCTV Surveillance System</i>					
Fire/Smoke Detection								
Generic, Digital	100%			2032	**	1-3	\$7,300	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : Smoke Detectors, Alarm Bells, Manual Pull Stations, Horns, Strobe Lights</i>					
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source								
Fuel Oil No 2	100%			2053	**	5	\$3,600	
Conversion Equipment								
Hot Water Boiler	100%			2044	**	1	\$5,700	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Boiler Room</i>					
			<i>Explanation : 1 Unit</i>					
Distribution								
Hot Wtr Piping/Pump	100%			2049	**	4	\$900	
Terminal Devices								
Air Handler	85%			2035	**	1	\$6,100	
Convactor/Radiator	15%			2044	**	1	\$600	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Centrifugal, Elec Chiller	80%			2030	**	1	\$10,000	
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 80%</i>					
			<i>Location : Chiller, Back Yard</i>					
No Component	20%							

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

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
<b>Distribution</b>								
	CW & CHW Wtr Pipe/Pump	80%			2037	**	4	\$700
	No Component	20%						
<b>Terminal Devices</b>								
	Air Handler/Cool/Ht	60%			2035	**	1	\$4,300
	Fan Coil - 2 Pipe	20%			2035	**	1	\$800
	No Component	20%						
<b>Heat Rejection</b>								
	Air Cooled Condenser Unit	80%			2027	\$14,200	2	\$6,400
	No Component	20%						
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,400
<b>Exhaust Fans</b>								
	Roof	100%			2035	**	2	\$400
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%			2047	**	1	
<b>Water Heater</b>								
	Electric	100%			2025	\$9,700	4	\$100
<b>Sanitary Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Storm Drain Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Sewage Ejector(s)</b>								
	Electric	100%			2035	**	4	\$500
<b>Backflow Preventer</b>								
	Generic	100%			2032	**	1	\$700
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
<b>Sprinkler</b>								
	No Component	85%						
	Generic	15%			2053	**	1-2	\$500
<b>Chemical System</b>								
	Generic	100%			2026	\$26,700	1-3	\$4,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1 Wet Set In Kitchen, 2 Dry Sets (Fm-200) In Communication Room</i>								
<i>Explanation : 3 Sets</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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 10,860 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 04-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,ATT  
**Block** : 4333 **Lot** : 1 **BIN** : 2101003

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$49,500	
Interior Architecture		\$668,700
<b>Total</b>	<b>\$49,500</b>	<b>\$668,700</b>
Importance Code A	\$49,500	
Importance Code C		\$668,700
<b>Total</b>	<b>\$49,500</b>	<b>\$668,700</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$50,100		\$3,500	\$1,400
Interior Architecture	\$4,000	\$5,200	\$300	\$4,400
Electrical	\$2,200	\$3,500	\$11,800	\$2,600
Mechanical	\$4,600	\$3,300	\$7,400	\$3,800
<b>Total</b>	<b>\$60,900</b>	<b>\$12,000</b>	<b>\$23,000</b>	<b>\$12,200</b>
Importance Code A	\$50,600	\$500	\$4,000	\$2,000
Importance Code B	\$10,300	\$11,300	\$18,900	\$8,600
Importance Code C		\$200		\$1,600
<b>Total</b>	<b>\$60,900</b>	<b>\$12,000</b>	<b>\$23,000</b>	<b>\$12,200</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**  
**COMMUNICATIONS CENTER-BRONX**  
**Asset # : 1996**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	7%	4+	\$29,500	LIFE	**	5	\$13,800	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Window Sill And Door Openings</i>								
Masonry: Brick	82%	4+	\$12,800	LIFE	**	5	\$20,800	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Facade</i>								
Masonry: Limestone	5%	Now	\$7,800	LIFE	**	5	\$1,000	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Balustrade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Balustrade Throughout</i>								
Metal: Cage/Fence	1%			2044	**	5	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Decorative Grilles At Window Openings</i>								
Stucco Cement	2%			2032	**	5	\$1,300	
Window Wall	3%			2053	**	5	\$2,800	
Windows								
Aluminum	97%			2049	**	5	\$3,300	
Metal Louvers	3%			2036	**	10	\$600	
Roof								
Clay Tile	90%	Now	\$49,500	2047	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Ice Breakers Missing</i>								
Copper/Terne	7%			2062	**	10	\$2,800	
Panel/Paver: Cer/Brk	3%			2037	**	10	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entry Portico</i>								
<i>Explanation : Walking Surface Over Vault</i>								
Interior								
Floors								
Carpet	27%			2026	\$59,600	3	\$9,200	
Cast in Place Concrete	25%			LIFE	**	5	\$9,300	
Ceramic Tile	3%			2036	**	5	\$500	
Quarry Tile	2%			2032	**	5	\$500	
Raised Access Floor	15%			2036	**	5	\$9,500	
Terrazzo	5%			LIFE	**	5	\$700	
Vinyl Tile	23%			2032	**	3	\$1,900	

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

**Asset # : 1996**

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

**Interior**

**Interior Walls**

Ceramic Tile	3%			2036	**	5	\$400	
Concrete Masonry Unit	5%			LIFE	**	5	\$300	
Fabric on Framing	45%			2028	\$668,700	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%			2040	**	5	\$2,500	
Exposed Concrete	20%			LIFE	**	5	\$500	
Gypsum Board	15%			LIFE	**	5	\$3,200	
Plaster	50%			LIFE	**	5	\$5,300	

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

**Under 600 Volts**

**Service Equipment**

Fused Disc Sw	100%			2047	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 2000 Amperes</i>								

**Transformers**

Dry Type	100%			2040	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 225kva, 480/208/120 Volts</i>								

**Switchgear / Switchboard**

Fused Disc Sw	100%			2047	**	5		
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**Raceway**

Conduit	100%			2047	**	1		
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**Panelboards**

Molded Case Bkrs	100%			2043	**	5	\$300	
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**Wiring**

Thermoplastic	100%			2047	**	1		
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**Motor Controllers**

Locally Mounted	100%			2040	**	5	\$100	
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**Ground**

**Grounding Devices**

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

**Transfer Switches**

Automatic	100%			2040	**	1	\$3,300	
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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**  
**COMMUNICATIONS CENTER-BRONX**  
**Asset # : 1996**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power Generators</b>								
Diesel	50%			2036	**	1	\$2,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 2 Emergency Generator Rated At 125 Kva Each</i>								
Diesel	50%			2036	**	1	\$2,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 2 Emergency Generator Rated At 638kva Each</i>								
<b>Batteries</b>								
Lead/Acid	100%			2021		5	\$400	
<b>Fuel Storage</b>								
Day Tank	50%			2043	**	5	\$1,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 247 Gallons Rated Capacity</i>								
Underground Storage	50%			LIFE	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : 5000 Gallons Rated Capacity</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	90%			2032	**	10	\$9,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	8%			2032	**	10	\$800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Corridors</i>								
<i>Explanation : Compact Fluorescent Lamps</i>								
Incandescent	2%			2032	**	2		
<b>Egress Lighting</b>								
Emergency, Service	50%			2032	**	1		
Emergency, Battery	10%			2032	**	10	\$300	
Exit, Service	40%			2032	**	1		
<b>Exterior Lighting</b>								
HID	20%			2032	**	10		
No Component	80%							
<b>Lightning Protection</b>								
<b>Arresters/Cabling</b>								
Generic	100%			2055	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Tower And Roof</i>								
<i>Explanation : Steel Lightning Rods</i>								
<b>Alarm</b>								

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

**Asset # : 1996**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Air Conditioning	Heat Rejection							
	Air Cooled Condenser Unit	90%			2032	**	2	\$6,800
	No Component	10%						
Ventilation	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,100
	Exhaust Fans							
	Interior	100%			2032	**	2	\$300
Plumbing	H/C Water Piping							
	Brass/Copper	100%			2047	**	1	
	Water Heater							
	Oil Fired	100%			2025	\$8,600	1	\$300
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 Units</i>				
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						
Fire Suppression	Sprinkler							
	No Component	30%						
	Generic	70%			2047	**	1-2	\$2,100
	Chemical System							
	Generic	100%			2025	\$26,700	1-3	\$3,700
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 1 Wet Set In Kitchen, 1 Dry Set (Fm-200) In Communication Room</i>				
				<i>Explanation : 2 Sets</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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 28-Apr-2016                      **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** : Basement, Roof, Floors 1  
**Block** : 1183                      **Lot** : 51                      **BIN** : 3029669

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$55,100	
<b>Total</b>	<b>\$55,100</b>	
Importance Code A	\$55,100	
<b>Total</b>	<b>\$55,100</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$11,800			
Interior Architecture	\$4,500	\$400	\$3,800	
Electrical	\$1,800	\$1,600	\$3,600	\$2,000
Mechanical	\$3,800	\$5,800	\$5,800	\$5,400
<b>Total</b>	<b>\$21,900</b>	<b>\$7,900</b>	<b>\$13,200</b>	<b>\$7,300</b>
Importance Code A	\$12,300	\$500	\$500	\$600
Importance Code B	\$9,600	\$7,300	\$12,600	\$6,800
Importance Code C				
<b>Total</b>	<b>\$21,900</b>	<b>\$7,900</b>	<b>\$13,200</b>	<b>\$7,300</b>



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**  
**COMMUNICATIONS CENTER-BROOKLYN**  
**Asset # : 1994**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Cast Stone/Terra Cotta	12%	4+	\$55,100	LIFE	**	5	\$23,700	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Cornices And Decorative Elements</i>								
Masonry: Brick	80%			LIFE	**	5	\$20,300	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Rear Facade</i>								
<i>Patching Evident, Extent : Light, Area Affected : 35%</i>								
<i>Location : All Facades</i>								
Masonry: Limestone	8%			LIFE	**	5	\$1,500	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Sills And Lintels</i>								
<b>Windows</b>								
Aluminum	75%			2049	**	5	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Bullet Resistant Glass And/or Protective Metal Grilles</i>								
Aluminum	25%	Now	\$11,800	2035	**	5	\$400	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement Windows</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement Windows</i>								
<b>Roof</b>								
Clay Tile	95%			2047	**	10	\$15,400	
Panel/Paver: Cer/Brk	5%			2037	**	10	\$1,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Entry Portico</i>								
<b>Interior</b>								
<b>Floors</b>								
Carpet	45%			2028	\$108,400	3	\$11,400	
Cast in Place Concrete	25%			LIFE	**	5	\$9,300	
Ceramic Tile	5%			2036	**	5	\$800	
Quarry Tile	5%			2044	**	5	\$1,300	
Raised Access Floor	10%			2040	**	5	\$6,400	
Sheet Vinyl/Rubber	10%			2035	**	5	\$2,500	
<b>Interior Walls</b>								
Gypsum Board	85%			LIFE	**	5	\$7,300	
Masonry: Brick	15%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	20%			2044	**	5	\$3,400	
Exposed Concrete	40%			LIFE	**	5	\$1,100	
Plaster	40%			LIFE	**	5	\$4,200	

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

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Air Circuit Breaker	100%			2053	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Low Voltage Power Circuit Breaker Rated At 1600 Amperes.</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2053	**	5	\$300	
<b>Raceway</b>								
Conduit	100%			2053	**	1		
<b>Panelboards</b>								
Fused Disc Sw	5%			2049	**	5		
Molded Case Bkrs	95%			2049	**	5	\$300	
<b>Wiring</b>								
Thermoplastic	100%			2053	**	1		
<b>Motor Controllers</b>								
Variable Frequency Drive	100%			2044	**			
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$200	
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
Automatic	100%			2044	**	1	\$3,300	
<b>Generators</b>								
Diesel	100%			2040	**	1	\$4,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 2- Diesel Generators Rated At 450 Kilowatts Each.</i>								
<b>Batteries</b>								
Lead/Acid	100%			2022	\$1,700	5	\$400	
<b>Fuel Storage</b>								
<b>Day Tank</b>								
	50%			2049	**	5	\$1,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 2 Day Tanks Rated Capacity 275 Gallons Each.</i>								
<b>Main Tank</b>								
	50%			2062	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : Main Tank Rated Capacity 3000 Gallons</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
LED	100%			2035	**			
<b>Egress Lighting</b>								
Emergency, Service	45%			2035	**	1		
Emergency, Battery	5%			2035	**	10	\$100	
Exit, LED	50%			2062	**	1		

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

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

## Lighting

## Exterior Lighting

LED	20%			2035	**			
No Component	80%							

## Alarm

## Security System

No Component	40%							
Generic	60%			2035	**	1	\$2,400	

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

*Location : Hallways And Outside*

*Explanation : CCTV Surveillance Camera System*

## Fire/Smoke Detection

Generic, Digital	100%			2035	**	1-3	\$6,900	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Throughout The Building*

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

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

## Heating

## Energy Source

Fuel Oil No 2	100%			2057	**	5	\$3,400	
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## Conversion Equipment

Hot Water Boiler	100%			2047	**	1	\$5,400	
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*Recent Replace Evident, Extent : Light, Area Affected : 100%*

*Location : Basement Boiler Room*

## Distribution

Hot Wtr Piping/Pump	100%			2052	**	4	\$800	
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## Terminal Devices

Air Handler	40%			2037	**	1	\$2,700	
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Convactor/Radiator	60%			2047	**	1	\$2,100	
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## Air Conditioning

## Energy Source

Electricity	100%			2049	**	1		
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## Conversion Equipment

Centrifugal, Elec Chiller	100%			2042	**	1	\$11,700	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Backyard*

*Explanation : 1 Unit. R-410a*

## Distribution

CW & CHW Wtr Pipe/Pump	100%			2057	**	4	\$800	
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## Terminal Devices

Air Handler/Cool/Ht	60%			2037	**	1	\$4,000	
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Fan Coil - 2 Pipe	40%			2037	**	1	\$1,400	
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**FIRE DEPARTMENT - 057**  
**COMMUNICATIONS CENTER-BROOKLYN**

**Asset # : 1994**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Air Conditioning	Heat Rejection							
	Evaporative Condenser	100%			2037	**	2	\$7,500
Ventilation	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,000
	Exhaust Fans							
	Interior	100%			2037	**	2	\$300
Plumbing	H/C Water Piping							
	Brass/Copper	100%			2057	**	1	
	HW Heat Exchanger							
	Steam Fired	100%			2057	**	4	\$1,600
	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%			2057	**	1-2	\$3,000
	Chemical System							
	Dry	100%			2026	\$29,100	1-3	\$3,900
				<i>Dry System, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 2 Sets (Fm-200) In Communication Room</i>				

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 11-May-2016 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1  
**Block** : 1111 **Lot** : 1 **BIN** : 1083814

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$258,900	
Electrical	\$12,100	\$54,200
<b>Total</b>	<b>\$271,000</b>	<b>\$54,200</b>
Importance Code A	\$258,900	
Importance Code B	\$12,100	\$54,200
<b>Total</b>	<b>\$271,000</b>	<b>\$54,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$31,200			
Interior Architecture	\$4,000			\$100
Electrical	\$11,900	\$2,900	\$7,000	\$1,500
Mechanical	\$1,700	\$1,300	\$11,500	\$1,600
<b>Total</b>	<b>\$48,800</b>	<b>\$4,200</b>	<b>\$18,600</b>	<b>\$3,200</b>
Importance Code A	\$31,500	\$300	\$400	\$300
Importance Code B	\$17,400	\$3,900	\$18,200	\$2,900
Importance Code C				
<b>Total</b>	<b>\$48,800</b>	<b>\$4,200</b>	<b>\$18,600</b>	<b>\$3,200</b>



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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	30%	Now	\$117,500	LIFE	**	5	\$25,300	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 30%</i>								
<i>Location : All Facades</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Rear Facade</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Rear Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Cornice Trim</i>								
Masonry: Brick	2%			LIFE	**	5	\$200	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Chimney</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Chimney</i>								
<i>Explanation : Stucco On Brick</i>								
Masonry: Granite	68%	0-2	\$96,700	LIFE	**	5	\$5,500	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear Facade</i>								
Windows								
Aluminum	90%			2049	**	5	\$2,400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Metal Louvers	10%			2030	**	10	\$1,700	
Parapets								
Cast Stone/Terra Cotta	100%	Now	\$29,500	LIFE	**	5	\$26,300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Sout East Corner</i>								
Roof								
Copper/Terne	90%			2042	**	10	\$40,200	
Copper/Terne	10%			2062	**	10	\$4,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Roof Penetrations And Eastern Step Down Roof</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$8,400	
Ceramic Tile	10%			2040	**	5	\$1,000	
Vinyl Tile	10%			2035	**	3	\$500	
Under Construction	40%							
Interior Walls								
Concrete Masonry Unit	25%			LIFE	**	5	\$1,100	
Gypsum Board	10%			LIFE	**	5	\$700	
Masonry: Brick	15%			LIFE	**			
Plaster	10%			LIFE	**	5	\$300	
Under Construction	40%							

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

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

## Interior

## Ceilings

AcousTileSusp.Lay-In	10%			2044	**	5	\$1,000	
Exposed Concrete	50%	4+	\$3,400	LIFE	**	5	\$700	

*Cracking/Crumbling, Extent : Light, Area Affected : 15%*

*Location : Basement*

Under Construction	40%							
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Molded Case Bkrs	100%			2047	**	5	\$200	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Electrical Room*

*Explanation : 2- Main Service Disconnect Switches Rated At 1200 Amperes And 700 Amperes*

## Transformers

Dry Type	100%			2025	\$17,600	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Electrical Room*

*Explanation : 75kva, 208/120 Volts*

## Switchgear / Switchboard

Fused Disc Sw	60%			2027	\$54,200	5		
Molded Case Bkrs	40%			2047	**	5	\$100	

## Raceway

Conduit	60%			2027	\$9,300	1		
Conduit	40%			2047	**	1		

## Panelboards

Molded Case Bkrs	60%			2026	\$10,000	5	\$100	
Molded Case Bkrs	40%			2043	**	5	\$100	

## Wiring

Thermoplastic	50%			2027	\$10,200	1		
Thermoplastic	50%			2047	**	1		

## Motor Controllers

Locally Mounted	70%			2025	\$23,000	5		
Locally Mounted	30%			2040	**	5		

## Ground

## Grounding Devices

Generic	100%	2-4	\$10,600	LIFE	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Boiler Room*

*Explanation : Corroded*

## Stand-by Power

## Transfer Switches

Automatic	100%			2040	**	1	\$2,000	
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**FIRE DEPARTMENT - 057**  
**COMMUNICATIONS CENTER-MANHATTAN**  
**Asset # : 1993**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
<b>Generators</b>								
Diesel	100%			2036	**	1	\$2,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : Two 300 Kilowatt Detroit Diesel Generators</i>								
<b>Batteries</b>								
Lead/Acid	100%			2021	\$1,700	5	\$200	
<b>Fuel Storage</b>								
Day Tank	50%			2043	**	5	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 275 Gallons Capacity</i>								
Underground Storage	50%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : 5000 Gallons Rated Capacity</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	30%			2022	\$12,100	10	\$1,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-12 Lamps</i>								
Fluorescent	70%			2032	**	10	\$4,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
<b>Egress Lighting</b>								
Emergency, Service	48%			2032	**	1		
Emergency, Battery	2%			2032	**	10		
Exit, LED	50%			2055	**	1		
<b>Exterior Lighting</b>								
LED	20%			2035	**			
No Component	80%							
<b>Lightning Protection</b>								
<b>Arresters/Cabling</b>								
Generic	100%			2030	**	5	\$200	
<b>Alarm</b>								
<b>Security System</b>								
Generic	100%			2027	\$21,500	1	\$2,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : CCTV Surveillance System And Intrusion Alarm System</i>								
<b>Fire/Smoke Detection</b>								
Generic, Digital	100%			2035	**	1-3	\$4,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Horns And Smoke Detectors</i>								

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

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
<b>Heating</b>							
Energy Source							
Electricity	10%			2037	**	1	
Fuel Oil No 2	90%			2037	**	5	\$1,800
Conversion Equipment							
Hot Water Boiler	90%			2044	**	1	\$2,800
		<i>Other Observation, Extent : Light, Area Affected : 90%</i>					
		<i>Location : Basement Boiler Room</i>					
		<i>Explanation : 2 Units</i>					
Radiant Heater	10%			2035	**	2	\$300
Distribution							
Hot Wtr Piping/Pump	90%			2049	**	4	\$400
No Component	10%						
Terminal Devices							
Convactor/Radiator	90%			2044	**	1	\$1,900
No Component	10%						
<b>Air Conditioning</b>							
Energy Source							
Electricity	100%			2043	**	1	
Conversion Equipment							
Centrifugal, Elec Chiller	30%			2036	**	1	\$2,100
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 30%</i>					
		<i>Location : Back Yard</i>					
Split Unit	10%			2035	**		
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
		<i>Location : Back Yard</i>					
		<i>Explanation : 2 Units. R-410a</i>					
No Component	60%						
Distribution							
CW & CHW Wtr Pipe/Pump	30%			2047	**	4	\$100
No Component	70%						
Terminal Devices							
Fan Coil - 2 Pipe	40%			2035	**	1	\$800
No Component	60%						
Heat Rejection							
Air Cooled Condenser Unit	30%			2032	**	2	\$1,300
Dry Cooler	10%			2035	**	2	\$400
No Component	60%						
<b>Ventilation</b>							
Distribution							
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,100
		<i>Other Observation, Extent : Light, Area Affected : 30%</i>					
		<i>Location : Communication Equipment Room, Basement</i>					
		<i>Explanation : New Ductwork</i>					
No Component	70%						

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
	Exhaust Fans							
	Roof	30%			2022	\$3,300	2	\$100
	No Component	70%						
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2047	**	1	
	Water Heater							
	Electric	100%			2022	\$5,900	4	
	Sanitary Piping							
	Cast Iron	50%			LIFE	**	1	
	Cast Iron	50%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%			2027	\$1,000	4	\$100
	Sewage Ejector(s)							
	Electric	100%			2032	**	4	\$400
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Chemical System							
	Dry	100%			2026	\$29,100	1-3	\$3,900
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Communication Room</i>					
			<i>Explanation : Fm-200</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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 25-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1  
**Block** : 3866 **Lot** : 70 **BIN** : 4439147

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$39,400	
Interior Architecture		\$549,800
Mechanical		\$219,500
<b>Total</b>	<b>\$39,400</b>	<b>\$769,300</b>
Importance Code A	\$39,400	
Importance Code B		\$219,500
Importance Code C		\$549,800
<b>Total</b>	<b>\$39,400</b>	<b>\$769,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$29,700		\$700	\$2,000
Interior Architecture	\$10,300	\$5,900		\$3,300
Electrical	\$1,800	\$3,300	\$10,300	\$2,300
Mechanical	\$3,900	\$2,700	\$6,400	\$3,100
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$49,700</b>	<b>\$15,900</b>	<b>\$21,300</b>	<b>\$14,700</b>
Importance Code A	\$30,100	\$500	\$1,200	\$2,500
Importance Code B	\$18,400	\$15,000	\$20,100	\$11,400
Importance Code C	\$1,200	\$400		\$900
<b>Total</b>	<b>\$49,700</b>	<b>\$15,900</b>	<b>\$21,300</b>	<b>\$14,700</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**  
**COMMUNICATIONS CENTER-QUEENS**  
**Asset # : 1995**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%			LIFE	**	5	\$20,400	
Masonry: Granite	3%			LIFE	**	5	\$500	
Masonry: Limestone	10%	Now	\$29,700	LIFE	**	5	\$1,800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cornices</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cornices</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Drip Edges Under Window Sills</i>								
Metal Coiling Doors	2%			2032	**	5	\$1,500	
Windows								
Aluminum	10%			2043	**	5	\$400	
Aluminum	90%			2043	**	5	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Bullet Resistant Glass</i>								
Roof								
Clay Tile	95%	Now	\$39,400	2047	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : At Dome</i>								
Copper/Terne	5%			2055	**	10	\$4,900	
Interior								
Floors								
Carpet	30%			2026	\$53,600	3	\$8,200	
Cast in Place Concrete	20%	Now	\$1,500	LIFE	**	5	\$6,000	
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Facade - Boiler Room</i>								
Ceramic Tile	5%			2036	**	5	\$700	
Raised Access Floor	20%			2036	**	5	\$10,300	
Terrazzo	5%			LIFE	**	5	\$500	
Vinyl Tile	20%			2035	**	3	\$1,400	

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

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

## Interior

## Interior Walls

Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2036	**	5	\$900	
Fabric on Framing	20%			2028	\$549,800	5	\$1,800	
Gypsum Board	35%			LIFE	**	5	\$3,700	
Masonry: Brick	10%			LIFE	**			
Plaster	5%	Now	\$1,200	LIFE	**	5	\$300	

*Cracking/Crumbling, Extent : Moderate, Area Affected : 5%*

*Location : Communication Room*

*Water Penetration, Extent : Moderate, Area Affected : 10%*

*Location : Communication Room - Leak Repaired At Roof But Interior Damage Not Resolved*

Plaster	15%			LIFE	**	5	\$800	
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## Ceilings

AcousTileSusp.Lay-In	50%			2040	**	5	\$6,900	
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*Misaligned/Bulging, Extent : Light, Area Affected : 25%*

*Location : Various Locations*

Exposed Concrete	20%			LIFE	**	5	\$400	
Gypsum Board	10%			LIFE	**	5	\$1,700	
Plaster	5%	Now	\$1,800	LIFE	**	5	\$400	

*Cracking/Crumbling, Extent : Moderate, Area Affected : 5%*

*Location : Communication Room*

*Water Penetration, Extent : Moderate, Area Affected : 10%*

*Location : Communication Room - Leak Repaired At Roof But Interior Damage Not Resolved*

Plaster	15%			LIFE	**	5	\$1,300	
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2047	**	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Electrical Room*

*Explanation : Main Service Disconnect Switch Rated At 2000 Amperes*

## Transformers

Dry Type	100%			2040	**	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Electrical Room*

*Explanation : 225 Kva, 480/208/120 Volts*

## Switchgear / Switchboard

Fused Disc Sw	100%			2047	**	5		
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## Raceway

Conduit	100%			2047	**	1		
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**FIRE DEPARTMENT - 057**  
**COMMUNICATIONS CENTER-QUEENS**  
**Asset # : 1995**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Under 600 Volts								
Panelboards								
	Molded Case Bkrs	100%			2043	**	5	\$300
Wiring								
	Thermoplastic	100%			2047	**	1	
Motor Controllers								
	Locally Mounted	100%			2040	**	5	\$100
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Water Meter Room</i>					
			<i>Explanation : Connected To Main Water Pipe.</i>					
Stand-by Power								
Transfer Switches								
	Automatic	100%			2040	**	1	\$3,000
Generators								
	Diesel	50%			2036	**	1	\$1,900
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Generator Room</i>					
			<i>Explanation : 2 - 638 Kva Kohler Power System</i>					
	Diesel	50%			2036	**	1	\$1,900
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Outside The Building</i>					
			<i>Explanation : 2 - 125 Kva</i>					
Batteries								
	Lead/Acid	100%			2021	\$1,500	5	\$400
Fuel Storage								
	Day Tank	50%			2043	**	5	\$900
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : 2-265 Gallons Rated Capacity</i>					
	Underground Storage	50%			LIFE	**	5	\$300
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Underground</i>					
			<i>Explanation : 5000 Gallons Rated Capacity</i>					
Lighting								
Interior Lighting								
	Fluorescent	70%			2032	**	10	\$5,900
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : T-8 Lamps</i>					
	Fluorescent	30%			2032	**	10	\$2,500
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Corridors And Offices</i>					
			<i>Explanation : Compact Fluorescent Lamps</i>					

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

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

**Lighting**

Egress Lighting								
Emergency, Service	50%			2032	**	1		
Emergency, Battery	10%			2032	**	10	\$200	
Exit, Service	40%			2032	**	1		
Exterior Lighting								
HID	20%			2032	**	10		
No Component	80%							

**Alarm**

Security System								
Generic	100%			2032	**	1	\$3,700	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Inside And Outside The Building</i>					
			<i>Explanation : CCTV Surveillance System And Intrusion Alarm System</i>					
Fire/Smoke Detection								
Generic, Digital	100%			2032	**	1-3	\$6,200	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors, Horns</i>					

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

**Heating**

Energy Source								
Fuel Oil No 2	100%			2037	**	5	\$2,800	
Conversion Equipment								
Hot Water Boiler	100%			2032	**	1	\$4,500	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Units</i>					
Distribution								
Hot Wtr Piping/Pump	100%			2043	**	4	\$500	
Terminal Devices								
Air Handler	55%			2027		1	\$3,100	
Convactor/Radiator	20%			2040	**	1	\$600	
Fan Coil Unit/Heat	25%			2027		1	\$700	

**Air Conditioning**

Energy Source								
Electricity	100%			2043	**	1		

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
	Centrifugal, Elec Chiller	85%		2030	**	1	\$8,400	
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 85%</i>					
			<i>Location : Chiller, Side Yard</i>					
	Interior Pkg Unit - Cooling	15%		2028	\$49,200	2	\$100	
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 15%</i>					
			<i>Location : 4 Units, Communication Room</i>					
Distribution								
	CW & CHW Wtr Pipe/Pump	85%		2047	**	4	\$400	
	No Component	15%						
Terminal Devices								
	Air Handler/Cool/Ht	35%		2027	\$34,400	1	\$2,000	
	Fan Coil - 4 Pipe	50%		2027	\$102,600	1	\$1,500	
	No Component	15%						
Heat Rejection								
	Air Cooled Condenser Unit	85%		2032	**	2	\$5,400	
	Dry Cooler	15%		2032	**	2	\$1,000	
Ventilation								
Distribution								
	Ductwork/Diffusers	100%		LIFE	**	2-5	\$5,100	
Exhaust Fans								
	Interior	100%		2032	**	2	\$300	
Plumbing								
H/C Water Piping								
	Brass/Copper	100%		2047	**	1		
Water Heater								
	Oil Fired	100%		2025	\$7,300	1	\$300	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Units</i>					
Sanitary Piping								
	Cast Iron	100%		LIFE	**	1		
Storm Drain Piping								
	Cast Iron	100%		LIFE	**	1		
Fixtures								
	Generic	100%						
Vertical Transport								
Elevators								
	Hydraulic	100%		LIFE	**			
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement To 1st Floor</i>					
			<i>Explanation : 1 Unit</i>					
Fire Suppression								

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Sprinkler							
	Generic	100%			2047	* *	1-2	\$2,600
	Chemical System							
	Generic	100%			2025	\$26,700	1-3	\$3,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : 1 Wet Set In Kitchen, 2 Dry Sets (Fm-200) In Communication Room</i> <i>Explanation : 3 Sets</i>								

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY  
**Address** : SEAVIEW HOSPITAL 460 BRIELLE AVE.  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : FIRSEMS.022 / 14007 **Yr Built/Renovated** : 1999 /  
**Area Sq Ft** : 10,515 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 20-Dec-2016 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 955 **Lot** : 1 **BIN** : 5113197

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$528,300	
Interior Architecture	\$201,300	
Mechanical		\$137,200
Site Pavements	\$66,900	
<b>Total</b>	<b>\$796,500</b>	<b>\$137,200</b>
Importance Code A	\$528,300	
Importance Code B	\$201,300	\$137,200
Importance Code C	\$66,900	
<b>Total</b>	<b>\$796,500</b>	<b>\$137,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$29,900			\$600
Interior Architecture	\$3,100	\$2,100	\$700	
Electrical	\$1,300	\$1,700	\$3,200	\$11,400
Mechanical	\$1,500	\$1,000	\$5,400	\$1,000
Site Enclosure	\$25,300			
Site Pavements	\$13,100			
<b>Total</b>	<b>\$74,300</b>	<b>\$4,800</b>	<b>\$9,300</b>	<b>\$13,100</b>
Importance Code A	\$30,400	\$500	\$500	\$1,200
Importance Code B	\$22,300	\$4,300	\$8,100	\$11,900
Importance Code C	\$21,500		\$700	
<b>Total</b>	<b>\$74,300</b>	<b>\$4,800</b>	<b>\$9,300</b>	<b>\$13,100</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**  
**EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY**  
**Asset # : 14007**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	10%	Now	\$43,200	LIFE	**	5	\$17,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Column Supports At Covered Walkway</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Column Supports At Covered Walkway</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Column Supports At Covered Walkway</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Column Supports At Covered Walkway</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>								
<i>Location : FDNY Garage - Perimeter Walls</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Base Of Building</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building 50 - Integrated Facility</i>								
<i>Explanation : EMS Station / FDNY Garage Contained Within Larger Seaview Hospital Building That Includes Asset #13433</i>								
Masonry: Brick Cavity	29%			LIFE	**	5	\$10,000	
Metal, Corrugated	20%			2048	**	1		
Metal Panel	20%	0-2	\$11,000	2048	**	5	\$12,900	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Bulkhead Stair And Rooftop Mechanical Enclosure - EMS Roof</i>								
Metal Sect. OHD	10%	4+	\$2,400	2041	**	5	\$5,400	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 15%</i>								
<i>Location : FDNY Garage Doors - At Frames</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$5,600	
Weathering Steel	5%	Now	\$12,800	LIFE	**	1		
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Scuppers At Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Column Supports At Covered Walkway</i>								
<i>Explanation : Corrosion / Rusting</i>								
Window Wall	1%			2048	**	5	\$1,300	
Windows								
Aluminum	100%			2044	**	5	\$1,300	
Parapets								
Metal Rail	3%	2-4		2041	**	5	\$100	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Railing Atop Bulkhead Stair</i>								
Pre-Cast Concrete	57%			LIFE	**	5	\$2,400	
No Component	10%							
Not Accessible	30%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Rooftop Of Fdny Maintenance Garage</i>								
<i>Explanation : No Access</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**  
**EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY**  
**Asset # : 14007**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Single Ply Membrane	70%	0-2	\$485,100	2038		**		1
<i>Blisters, Extent : Moderate, Area Affected : 30%</i> <i>Location : EMS - Main Roof</i> <i>Drains Clogged, Extent : Moderate, Area Affected : 15%</i> <i>Location : EMS Main Roof - From Accumulated Residue On Roof Surface</i> <i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 40%</i> <i>Location : EMS Main Roof And Walkway Roof</i> <i>Ponding, Extent : Severe, Area Affected : 35%</i> <i>Location : All Roofs</i> <i>Scupper Non-Func/Miss, Extent : Moderate, Area Affected : 10%</i> <i>Location : Covered Walkway (East Side) And West Wall (EMS)</i> <i>Vegetation Growth, Extent : Moderate, Area Affected : 35%</i> <i>Location : Surrounding Rooftop Mechanical Equipment</i> <i>Walk Pads Miss/Displ, Extent : Moderate, Area Affected : 15%</i> <i>Location : Existing Walk Pads Very Slippery - EMS Roof</i> <i>Water Penetration, Extent : Severe, Area Affected : 10%</i> <i>Location : Above EMS Wheelchair Lift Shaftway And At Roof Penetration For Nederman Exhaust In Apparatus Floor</i> <i>Other Observation, Extent : Moderate, Area Affected : 25%</i> <i>Location : EMS Main Roof</i> <i>Explanation : Soft Spots Evident When Walking On Surface</i>								
Not Accessible	30%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i> <i>Location : Rooftop Of Fdny Maintenance Garage</i> <i>Explanation : No Access</i>								
Soffits								
Metal Panel	100%	Now	\$3,600	2048		**	5	\$8,500
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i> <i>Location : Underside Perimeter Of Covered Walkway</i> <i>Water Penetration, Extent : Moderate, Area Affected : 15%</i> <i>Location : Underside Perimeter Of Covered Walkway</i>								

Interior

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

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	70%	Now	\$127,500	LIFE	**	5	\$24,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Fdny Apparatus Floor</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Fdny Apparatus Floor</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Repair Failure - Ems Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : EMS Apparatus Floor - Wash Bay Area And Fdny Apparatus Floor</i>								
<i>Explanation : Surface Becomes A Slip Hazard When Condensation Or Water Is Present</i>								
Ceramic Tile	5%	0-2	\$800	2037	**	5	\$400	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Locker Rooms</i>								
Vinyl Tile	25%			2033	**	3	\$1,500	
<b>Interior Walls</b>								
Ceramic Tile	10%			2037	**	5	\$1,400	
Concrete Masonry Unit	30%			LIFE	**	5	\$1,700	
Gypsum Board	60%	Now	\$800	LIFE	**	5	\$5,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Hallway Corridor Between Offices And Apparatus Floor</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	20%			2041	**	5	\$3,100	
Exposed Struc: Steel	40%	0-2	\$73,800	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Roof Penetrations Within Ems And FDNY Apparatus Floors</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Components Are Decking And Steel Beams</i>								
Gypsum Board	40%	4+	\$1,400	LIFE	**	5	\$7,900	
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : Locker Rooms</i>								
<b>Site Enclosure</b>								
<b>Free Standing Walls</b>								
Cast in Place Concrete	100%	Now	\$7,600	2048	**			
<i>Exposed Reinforcement, Extent : Light, Area Affected : 30%</i>								
<i>Location : Parking Lot Walls</i>								
<i>Spalling, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Parking Lot Walls</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY**  
**Asset # : 14007**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Site Enclosure</b>								
Retaining Walls								
Masonry: Brick	100%	Now	\$17,700	2038		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : East Side Planter Adjacent To EMS Entrance</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Side Planter Adjacent To EMS Entrance</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Evident On Exterior Wall Of EMS Planter Bed</i>								
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	70%	4+	\$13,100	2033		**		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Curbs In Parking Area</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Entry Aprons For All Overhead Doors</i>								
Pavers/Stone	30%			2037		**		
<b>Parking/Driveway</b>								
Asphalt	100%	Now	\$66,900	2037		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations - Driveway And Parking Lot</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2048		**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 1200 Amperes</i>								
<b>Transformers</b>								
Liquid Filled	100%			2033		**	5	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : No Available Nameplate Ratings</i>								
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%			2048		**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 2 - Vertical Sections</i>								
<b>Raceway</b>								
Conduit	100%			2048		**	1	
<b>Panelboards</b>								
Fused Disc Sw	5%			2044		**	5	
Molded Case Bkrs	95%			2044		**	5	\$300

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

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2048	**	1		
Motor Controllers								
Locally Mounted	50%			2041	**	5		
Locally Mounted	50%			2033	**	5		
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Automatic	100%			2041	**	1	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 3 - Automatic Transfer Switches No Available Nameplate Ratings</i>								
Generators								
Diesel	100%			2037	**	1	\$4,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Of The Building</i>								
<i>Explanation : Emergency Generator Rated At 80kw</i>								
Batteries								
Lead/Acid	100%			2022	\$1,700	5	\$400	
Fuel Storage								
Main Tank	100%			2056	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 275 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	85%			2033	**	10	\$8,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Fluorescent	10%			2033	**	10	\$1,000	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lobby</i>								
Fluorescent	2%			2023	\$600	10	\$200	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Boiler Rooms</i>								
HID	3%			2033	**	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : FDNY Repair Shops</i>								
<i>Explanation : 9 - HID Light Fixtures</i>								
Egress Lighting								
Emergency, Service	50%			2033	**	1		
Exit, Service	50%			2033	**	1		

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Exterior Lighting Fluorescent	80%			2028	\$30,000	10	\$800	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 20 Compact Fluorescent Lights.</i>						
HID	20%			2028	\$8,800	10		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 5 - HID Light Fixtures</i>						
<b>Alarm</b>								
Fire/Smoke Detection Generic, Digital	100%			2033	**	1-3	\$6,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : EMS 22 Only</i>						
		<i>Explanation : Smoke Detectors, Manual Pull Stations, Alarm Bells And Horns</i>						
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2048	**	1		
Conversion Equipment Furnace	50%			2033	**	1	\$2,600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof, EMS And Fire Department Garages</i>						
		<i>Explanation : 2 Packaged Rooftop Units With Gas Heat And 5 Gas Fired Space Heaters</i>						
Hot Water Boiler	50%			2041	**	1	\$2,600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : EMS And Fire Department Boiler Rooms</i>						
		<i>Explanation : 4 Gas Fired Hot Water Boilers</i>						
Distribution Hot Wtr Piping/Pump	100%	Now	\$300	2044	**	4	\$500	
		<i>Insul. Deteriorating, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Terminal Devices Convactor/Radiator	100%			2041	**	1	\$3,400	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2044	**	1		
Conversion Equipment Ext Pkg Unit - Heating/Cooling	100%			2028	\$137,200	2	\$600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 2 Package Rooftop Units</i>						

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Air Conditioning	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2	\$13,700
Ventilation	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,900
	Exhaust Fans							
	Roof	100%			2033	**	2	\$300
Plumbing	H/C Water Piping							
	Brass/Copper	100%			2054	**	1	
	Water Heater							
	Gas Fired	100%			2026	\$6,700	2	\$200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 2nd Floor</i>				
				<i>Explanation : 1 - 250 Gallon Unit</i>				
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	Generic	100%			2033	**	1	\$600
	Fixtures							
	Generic	100%						
Vertical Transport	Elevators							
	Geared Traction	100%			LIFE	**		
Fire Suppression	Sprinkler							
	No Component	75%						
	Generic	25%			2048	**	1-2	\$700

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Estimates are rounded to the nearest hundred dollars.

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

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS BATTALION 40  
**Address** : 5011 7th AVENUE  
**Borough** : BROOKLYN                      **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.278 / 13164                      **Yr Built/Renovated** : 1912 /  
**Area Sq Ft** : 5,478                      **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 12-Jun-2015                      **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 794                      **Lot** : 5                      **BIN** : 3013389

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$58,100	
Interior Architecture		\$45,300
Electrical		\$39,400
<b>Total</b>	<b>\$58,100</b>	<b>\$84,600</b>
Importance Code A	\$58,100	
Importance Code B		\$84,600
<b>Total</b>	<b>\$58,100</b>	<b>\$84,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$14,100	\$21,900		
Interior Architecture	\$41,400			\$700
Electrical	\$2,000	\$100		
Mechanical	\$1,100	\$4,600	\$1,400	\$1,100
<b>Total</b>	<b>\$58,700</b>	<b>\$26,600</b>	<b>\$1,400</b>	<b>\$1,800</b>
Importance Code A	\$14,700	\$22,500	\$500	\$500
Importance Code B	\$34,800	\$4,100	\$900	\$1,200
Importance Code C	\$9,200			
<b>Total</b>	<b>\$58,700</b>	<b>\$26,600</b>	<b>\$1,400</b>	<b>\$1,800</b>



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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	Priority
Exterior								
Exterior Walls								
Masonry: Brick	65%	Now	\$58,100	LIFE	**	5	\$18,900	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Mortar Eroded Throughout Basement.</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Facade</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,100	
Masonry: Limestone	15%			LIFE	**	5	\$3,300	
Wood Overhead Doors	15%			2031	**	5	\$21,800	
Windows								
Aluminum	100%	Now	\$11,600	2042	**	5	\$700	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Various Lintel Locations Throughout Building.</i>								
<i>Glazing Broken/Cracked, Extent : Light, Area Affected : 2%</i>								
<i>Location : South Elevation Third Story.</i>								
Parapets								
Masonry: Brick	75%			LIFE	**	5	\$1,800	
Masonry: Sandstone	5%	Now	\$2,100	LIFE	**	5	\$200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Coping At Front Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Coping At Front Façade</i>								
Metal Panel	10%	Now	\$400	2036	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Missing Coping Enclosure Over Front Facade.</i>								
Stucco Cement	10%			2039	**	5	\$600	
Roof								
Built-Up (BUR)	100%			2031	**	10	\$11,000	
Interior								
Floors								
Cast in Place Concrete	35%	Now	\$7,100	LIFE	**	5	\$7,300	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 85%</i>								
<i>Location : Throughout Basement Area.</i>								
Ceramic Tile	5%	Now	\$200	2035	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Quarry Tile	5%			2039	**	5	\$700	
Vinyl Tile	55%			2026		3	\$2,600	

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

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**FIRE DEPARTMENT - 057**  
**EMS BATTALION 40**  
**Asset # : 13164**

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

## Interior

## Interior Walls

Ceramic Tile	5%			2035	**	5	\$700	
Gypsum Board	20%			LIFE	**	5	\$1,600	
Masonry: Brick	15%	Now	\$7,800	LIFE	**			

*Water Penetration, Extent : Severe, Area Affected : 25%*

*Location : Basement Under Hatchway*

Plaster	50%	4+	\$1,100	LIFE	**	5	\$2,000	
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*Water Penetration, Extent : Light, Area Affected : 5%*

*Location : 2nd Floor Bathroom*

Wood	10%			LIFE	**	5	\$5,200	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : 2nd Floor Locker Room Area*

*Explanation : Wood Paneling Finish*

## Ceilings

AcousTileSusp.Lay-In	53%			2039	**	5	\$5,000	
Exposed Concrete	13%	Now	\$24,300	LIFE	**	5	\$200	

*Broken/Missing Elements, Extent : Moderate, Area Affected : 30%*

*Location : Throughout Basement Ceiling.*

*Exposed Reinforcement, Extent : Moderate, Area Affected : 30%*

*Location : Throughout Basement Ceiling. Shoring Has Been Installed To Aid In Supporting The Truck Floor Above.*

*Water Penetration, Extent : Severe, Area Affected : 40%*

*Location : Holes In The Metal Access Sidewalk Hatch Allow Storm Water To Flow Freely Into The Basement.*

Plaster	34%			LIFE	**	5	\$2,000	
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Molded Case Bkrs	100%			2056	**	5	\$100	
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*Recent Installation, Extent : Light, Area Affected : 100%*

*Location : Basement*

## Switchgear / Switchboard

Molded Case Bkrs	100%			2056	**	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Basement*

*Explanation : 350 Amperes Main Circuit Breaker*

## Raceway

Conduit	100%			2026			\$32,000	1
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## Panelboards

Molded Case Bkrs	100%			2025			\$39,400	5
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## Wiring

Thermoplastic	100%			2026			\$28,300	1
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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**  
**EMS BATTALION 40**  
**Asset # : 13164**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%	Now	\$1,900	LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Ground Is Disconnected From The Water Pipe</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	100%			2026	\$15,200	10	\$5,000	
Exterior Lighting HID	100%			2026	\$21,100	10		
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source Natural Gas	100%			2046	**	1		
Conversion Equipment Steam Boiler	100%			2039	**	1	\$5,400	
Distribution Central Plant Steam Piping/Pmp	100%			2036	**	4	\$400	
Terminal Devices Convectior/Radiator	100%			2031	**	1	\$1,800	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment Split Unit	10%			2031	**			
Window/Wall Unit	80%			2024	\$8,700	1		
No Component	10%							
<b>Ventilation</b>								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,100	
Exhaust Fans Roof	50%			2031	**	2	\$100	
Wall Unit	50%			2031	**	2	\$100	
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	100%			2046	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								

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**FIRE DEPARTMENT - 057**  
**EMS BATTALION 40**  
**Asset # : 13164**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Water Heater Gas Fired	100%			2021	\$3,200	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 75 Gallons</i>								
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Non-Submersible	100%			2031	**	4	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Duplex Unit</i>								
<b>Fixtures</b>								
	Generic	100%						
<i>Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bathroom 2nd Floor</i>								
<b>Fire Suppression</b>								
	Chemical System Generic	100%			2024	\$26,700	1-3	\$3,700

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

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

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$616,100	\$124,500
Interior Architecture		\$44,800
Electrical	\$67,200	\$116,100
<b>Total</b>	<b>\$683,300</b>	<b>\$285,400</b>
Importance Code A	\$616,100	\$124,500
Importance Code B	\$67,200	\$160,900
<b>Total</b>	<b>\$683,300</b>	<b>\$285,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$72,800		\$4,800	
Interior Architecture	\$67,100			\$600
Electrical	\$1,100	\$1,100	\$3,900	\$1,300
Mechanical	\$6,500	\$2,900	\$3,200	\$3,100
Site Enclosure	\$9,700			
Site Pavements	\$28,700			
<b>Total</b>	<b>\$185,900</b>	<b>\$4,000</b>	<b>\$11,900</b>	<b>\$5,000</b>
Importance Code A	\$74,000	\$1,200	\$6,000	\$1,200
Importance Code B	\$52,000	\$2,900	\$5,900	\$3,900
Importance Code C	\$59,900			
<b>Total</b>	<b>\$185,900</b>	<b>\$4,000</b>	<b>\$11,900</b>	<b>\$5,000</b>



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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	5%	Now	\$17,900	LIFE	**	5	\$7,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Around Ledge Below Parapets</i>								
Masonry: Brick Cavity	70%	Now	\$41,500	LIFE	**	5	\$21,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Perimeter Of Building</i>								
<i>Explanation : Protection Net Attached To Building Due To Loose Units</i>								
Metal Panel	5%	Now	\$2,300	2039	**	5	\$2,900	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Stairway</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Stairway</i>								
Metal Coiling Doors	10%			2042	**	5	\$9,700	
<i>Paint Peeling, Extent : Light, Area Affected : 25%</i>								
<i>Location : East Doors</i>								
Pre-Cast Concrete	10%			LIFE	**	5	\$20,200	
Windows								
Aluminum	10%			2045	**	5	\$1,200	
Steel	90%	Now	\$574,500	2054	**	5	\$67,400	
<i>Air Infiltration, Extent : Moderate, Area Affected : 65%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 65%</i>								
<i>Location : Throughout</i>								
Parapets								
Metal Panel	5%			2049	**	5	\$400	
Pre-Cast Concrete	95%			LIFE	**	5	\$22,900	
<i>Other Observation, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Covered By Safety Mesh/ Netting</i>								

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Built-Up (BUR)	92%	Now	\$16,100	2034			**	
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Gravel/Slag Surface, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Modified Bitumen	5%	Now	\$8,700	2039			**	
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over East Stairway</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over East Stairway</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over East Stairway</i>								
Skylight, Metal/Glass	3%	Now	\$5,700	2029	\$57,100			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Stair</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair</i>								
Interior								
Floors								
Cast in Place Concrete	65%			LIFE			** 5	\$48,900
Ceramic Tile	5%	0-2	\$1,700	2038			** 5	\$400
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Toilets</i>								
Vinyl Tile	30%	Now	\$4,500	2029	\$44,800	3		\$1,900
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Patching Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**EMS BUILDING BATTALION 4**  
**Asset # : 2405**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	10%	2-4	\$3,300	2038	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Shower/ Toilets</i>								
Concrete Masonry Unit	65%	Now	\$17,400	LIFE	**	5	\$6,200	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : West Stair, Mechanical Room, Throughout</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Ambulance Bay, Locker Room, Throughout</i>								
Gypsum Board	20%	Now	\$400	LIFE	**	5	\$2,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Lounge, Stodge, Kitchen</i>								
Masonry: Brick	5%			LIFE	**	10	\$400	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	25%			2034	**	5	\$4,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	70%			LIFE	**	5-10	\$15,100	
Exposed Struc: Steel	5%			LIFE	**	10	\$1,700	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%	4+	\$9,700	2049	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%	Now	\$1,400	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Parking/Driveway</b>								
Asphalt	100%	4+	\$27,200	2038	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								

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

Under 600 Volts

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
	Fused Disc Sw	90%			2029	\$4,400	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 3000 Ampere</i>								
	Fused Disc Sw	10%			2039	**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch For Emergency</i>								
<b>Switchgear / Switchboard</b>								
	Fused Disc Sw	100%			2039	**	5	\$100
<b>Raceway</b>								
	Conduit	90%			2029	\$28,800	1	
	Conduit	10%			2039	**	1	
<b>Panelboards</b>								
	Fused Disc Sw	5%			2028	\$2,000	5	
	Molded Case Bkrs	75%			2028	\$29,500	5	\$200
	Molded Case Bkrs	20%			2037	**	5	\$100
<b>Wiring</b>								
	Thermoplastic	80%			2029	\$22,700	1	
	Thermoplastic	20%			2039	**	1	
<b>Motor Controllers</b>								
	Locally Mounted	70%			2027	\$10,300	5	\$100
	Locally Mounted	30%			2034	**	5	
<b>Ground</b>								
<b>Grounding Devices</b>								
	Generic	100%			LIFE	**	5	\$400
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
	Automatic	100%			2034	**	1	\$3,800
<b>Generators</b>								
	Diesel	100%	Now	\$67,200	2044	**	1	\$4,300
<i>Not in Service, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 80 Kilo-volt-ampere</i>								
<b>Batteries</b>								
	Lead/Acid	100%			2022	\$1,500	5	\$500
<b>Fuel Storage</b>								
	Day Tank	100%			2037	**	5	\$2,300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 75 Gallons</i>								

**Lighting**

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	90%			2029	\$30,700	10	\$10,200	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
LED	10%			2037	**			
<b>Egress Lighting</b>								
Emergency, Battery	50%			2029	\$8,500	10	\$1,500	
Exit, Service	50%			2029	\$700	1		
<b>Exterior Lighting</b>								
HID	100%			2024	\$47,500	10		
<b>Alarm</b>								
<b>Security System</b>								
No Component	90%							
Generic	10%			2029	\$3,800	1	\$500	
<b>Fire/Smoke Detection</b>								
No Component	70%							
Generic, Digital	30%			2029	\$39,100	1-3	\$2,300	
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2039	**	1		
<b>Conversion Equipment</b>								
Furnace	10%			2029	\$2,800	1	\$600	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Package Unit</i>								
Steam Boiler	90%			2042	**	1	\$11,000	
<i>Other Observation, Extent : Light, Area Affected : 90%</i>								
<i>Location : 1st Floor Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
<b>Distribution</b>								
Central Plant Steam Piping/Pmp	90%			2039	**	4	\$500	
No Component	10%							
<b>Terminal Devices</b>								
Convactor/Radiator	50%			2027	\$31,500	1	\$2,000	
Unit Heater - Steam	30%			2034	**	4	\$300	
Unit Heater - Steam	10%			2024	\$4,200	4	\$200	
No Component	10%							
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2037	**	1		

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	20%			2029	\$29,500	2	\$200
<i>R-22 Refrigerant, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
	Window/Wall Unit	40%			2024	\$9,800	1	
	No Component	40%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : There Is No Ventilation For 2nd Floor Electrical Room</i>								
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$10,900
Exhaust Fans								
	Roof	100%			2029	\$19,600	2	\$400
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%			2039	**	1	
Water Heater								
	Gas Fired	100%			2027	\$7,200	2	\$200
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sewage Ejector(s)								
	Electric	100%			2029	\$3,400	4	\$700
Fixtures								
	Generic	100%						
<b>Fire Suppression</b>								
Standpipe								
	Generic	100%			2039	**	1-5	\$6,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Wall</i>								
<i>Explanation : Combination Connection</i>								
Sprinkler								
	Generic	100%			2039	**	1-2	\$3,500
Chemical System								
	Generic	100%			2024	\$26,700	1-3	\$4,000

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 17-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Floors 1  
**Block** : 1691 **Lot** : 1 **BIN** : 1052997

**CAPITAL**

**Total**

Importance Code

**Total**

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$3,800			
Interior Architecture	\$2,600			\$200
Electrical	\$3,200	\$100	\$100	\$100
Mechanical	\$400	\$700	\$600	\$700
Site Enclosure	\$3,100			
Site Pavements	\$20,900			
<b>Total</b>	<b>\$33,900</b>	<b>\$800</b>	<b>\$700</b>	<b>\$1,100</b>
Importance Code A	\$3,800			
Importance Code B	\$4,900	\$800	\$700	\$1,100
Importance Code C	\$25,200			
<b>Total</b>	<b>\$33,900</b>	<b>\$800</b>	<b>\$700</b>	<b>\$1,100</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**  
**EMS STATION 10 YORKVILLE STATION**  
**Asset # : 13984**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	100%			LIFE	**	5	\$6,700	
<i>Repairs in Progress, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Scaffolding In Place</i>								
<hr/>								
<b>Windows</b>								
Aluminum	100%	Now	\$3,800	2042	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations Throughout</i>								
<hr/>								
<b>Roof</b>								
Not Accessible	100%							
<hr/>								
<b>Interior</b>								
<b>Floors</b>								
Quarry Tile	10%			2039	**	5	\$300	
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Storage Room</i>								
Vinyl Tile	90%	Now	\$800	2031	**	3	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<hr/>								
<b>Interior Walls</b>								
Ceramic Tile	10%			2035	**	5	\$1,000	
Gypsum Board	80%	0-2	\$700	LIFE	**	5	\$4,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Corridor, Office</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Corridor</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Corridor</i>								
SGFT/Glazed Masonry	10%			LIFE	**			
<hr/>								
<b>Ceilings</b>								
Metal Panel	10%	Now	\$200	LIFE	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Storage Room</i>								
Plaster	90%	0-2	\$500	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilets And Locker Rooms</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 5%</i>								
<i>Location : Corridor</i>								

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

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

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

## Site Enclosure

## Fence/Gates

## Chain Link

100%	0-2	\$3,100	2046	**
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*Corrosion/Rusting, Extent : Moderate, Area Affected : 90%**Location : Around Parking Lot**Impact Damage, Extent : Moderate, Area Affected : 15%**Location : East Side*

## Site Pavements

## On-Site Walkways

## Cast in Place Concrete

100%	0-2	\$1,600	2039	**
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 25%**Location : At Entrance*

## Parking/Driveway

## Asphalt

100%	Now	\$19,300	2035	**
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 75%**Location : Various Locations**Ponding, Extent : Moderate, Area Affected : 15%**Location : Various Locations**Potholes, Extent : Severe, Area Affected : 15%**Location : Various Locations*

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

## Under 600 Volts

## Raceway

## Conduit

100%			2036	**	1
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## Panelboards

## Molded Case Bkrs

100%			2034	**	5	\$100
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## Wiring

## Thermoplastic

100%			2036	**	1
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## Motor Controllers

## Locally Mounted

100%			2031	**	5
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## Stand-by Power

## Transfer Switches

## Automatic

100%			2031	**	1	\$900
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*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor**Explanation : For Portable Generator*

## Lighting

## Interior Lighting

## Fluorescent

100%			2026	\$8,000	10	\$2,700
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Throughout*

## Egress Lighting

## Emergency, Battery

50%			2026	\$2,000	10	\$400
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## Exit, LED

50%			2041	**	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**  
**EMS STATION 10 YORKVILLE STATION**  
**Asset # : 13984**

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

**Lighting**

## Exterior Lighting

HID	50%			2026	\$5,600	10		
No Component	50%							

**Alarm**

## Fire/Smoke Detection

No Component	90%							
Generic, Analog	10%	0-2	\$3,100	2036	**	1-3	\$200	

*Local/Battery Operated Detect, Extent : Light, Area Affected : 100%*

*Location : Throughout*

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

**Heating**

## Energy Source

Electricity	30%			2046	**	1		
HTHW/HW	70%			2046	**	1		

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

*Location : Adjacent Space*

*Explanation : Hot Water Is Provided By The Adjacent Space - Central Plant Of Hospital*

## Distribution

Ductwork/Diffusers	100%			LIFE	**	2-5	\$1,600	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : 1st Floor*

*Explanation : Heating And Cooling Is Through Ductwork*

## Terminal Devices

Convactor/Radiator	100%			2039	**	1	\$900	
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**Air Conditioning**

## Energy Source

Electricity	100%			2048	**	1		
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## Terminal Devices

Air Handler/Cool/Ht	100%			2031	**	1	\$1,800	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Duct*

*Explanation : Electric Reheat Coils*

## Heat Rejection

Dry Cooler	100%			2031	**	2	\$2,000	
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**Ventilation**

## Distribution

Ductwork/Diffusers	15%			LIFE	**	2-5	\$200	
No Component	85%							

## Exhaust Fans

No Component	85%							
Not Accessible	15%							

**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**  
**EMS STATION 10 YORKVILLE STATION**  
**Asset # : 13984**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	H/C Water Piping Brass/Copper	100%			2046	* *	1	
	Sanitary Piping Cast Iron	100%			LIFE	* *	1	
	Fixtures Generic	100%						
Fire Suppression								
	Sprinkler Generic	100%			2046	* *	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 08-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Floors 1  
**Block** : 2335 **Lot** : 16 **BIN** : 2097050

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$43,500
Mechanical		\$62,500
<b>Total</b>		<b>\$106,000</b>
Importance Code A		\$43,500
Importance Code B		\$62,500
<b>Total</b>		<b>\$106,000</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$1,200			
Interior Architecture	\$2,300			\$100
Electrical	\$9,800			
Mechanical	\$6,300	\$200	\$1,300	\$100
<b>Total</b>	<b>\$19,500</b>	<b>\$200</b>	<b>\$1,300</b>	<b>\$200</b>
Importance Code A	\$1,200			
Importance Code B	\$18,300	\$200	\$1,300	\$200
Importance Code C				
<b>Total</b>	<b>\$19,500</b>	<b>\$200</b>	<b>\$1,300</b>	<b>\$200</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**  
**EMS STATION 14 SOUTH BRONX STATION**  
**Asset # : 13986**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	90%			LIFE	**	5	\$6,800	
Metal Coiling Doors	10%	Now	\$900	2029	\$43,500	5	\$1,200	
<i>Bent/Warped Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Side</i>								
<b>Windows</b>								
Aluminum	100%			2040	**	5	\$600	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	30%			LIFE	**	5	\$2,600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2039	**	5	\$200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Sheet Vinyl/Rubber Vinyl Tile	50%			2034	**	5	\$3,000	
	15%	Now	\$2,100	2024	\$5,200	3	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Rest Area</i>								
<b>Interior Walls</b>								
Ceramic Tile	2%			2039	**	5		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	88%			LIFE	**	5	\$700	
Gypsum Board	10%			LIFE	**	5	\$100	
<b>Ceilings</b>								
AcousTile,Adhered	5%	Now	\$200	2029	\$1,900	5	\$100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Locker Room</i>								
Exposed Concrete	95%			LIFE	**	5	\$600	
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2037	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2037	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Over 600 Volts</b>								
<b>Transformers</b>								
Not Accessible	100%							
<b>Under 600 Volts</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**  
**EMS STATION 14 SOUTH BRONX STATION**  
**Asset # : 13986**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Transformers								
Dry Type	100%			2041	**	5		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : 45 Kva Transformer 480-208/120v</i>						
Raceway								
Conduit	100%			2050	**	1		
Panelboards								
Molded Case Bkrs	75%			2046	**	5	\$100	
Molded Case Bkrs	25%	4+	\$1,000	2040	**	5		
		<i>Covers Missing, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : Electrical Room</i>						
Wiring								
Thermoplastic	100%			2050	**	1		
Motor Controllers								
Locally Mounted	100%	2-4	\$8,800	2041	**	5		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Garage Door Opener</i>						
		<i>Explanation : Unit Subject To Constant Use</i>						
<b>Ground</b>								
Grounding Devices								
Not Accessible	100%							
<b>Lighting</b>								
Interior Lighting								
Fluorescent	100%			2029	\$9,700	10	\$3,200	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Egress Lighting								
Emergency, Service	50%			2029	\$900	1		
Exit, Service	50%			2029	\$200	1		
Exterior Lighting								
HID	100%			2029	\$13,500	10		
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2034	**	4	\$200	
Terminal Devices								
Convactor/Radiator	50%			2029	\$9,000	1	\$600	
Unit Heater - Steam	50%			2029	\$6,000	4	\$200	
<b>Air Conditioning</b>								
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 14 SOUTH BRONX STATION**  
**Asset # : 13986**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Air Conditioning								
Conversion Equipment								
	Interior Pkg Unit - Cooling	50%			2025	\$62,500	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Supplied From Hospital</i>								
	Window/Wall Unit	50%			2020	\$3,500	1	
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2	\$4,600
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2044	**	1	
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
Fire Suppression								
Fire Pump								
	Not Accessible	100%						
Chemical System								
	No Component	90%						
	Generic	10%			2020	\$2,700	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

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

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS STATION 15 WILLIAMS BRIDGE STATION  
**Address** : 4109 WHITE PLAINS ROAD BTWN E.229 ST. - E.230 ST.  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSEMS.015 / 13987 **Yr Built/Renovated** : 1907 / 1998  
**Area Sq Ft** : 5,000 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 03-Apr-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 4832 **Lot** : 6 **BIN** : 2087346

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$75,400
Mechanical	\$36,800	
<b>Total</b>	<b>\$36,800</b>	<b>\$75,400</b>
Importance Code A	\$36,800	\$75,400
<b>Total</b>	<b>\$36,800</b>	<b>\$75,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$36,900			
Interior Architecture	\$61,100		\$100	\$800
Electrical	\$2,500	\$300	\$5,600	\$8,800
Mechanical	\$8,900	\$500	\$6,100	\$500
Site Pavements	\$4,800			
<b>Total</b>	<b>\$114,300</b>	<b>\$800</b>	<b>\$11,800</b>	<b>\$10,100</b>
Importance Code A	\$37,200	\$200	\$200	\$200
Importance Code B	\$56,900	\$600	\$11,500	\$9,600
Importance Code C	\$20,200			\$300
<b>Total</b>	<b>\$114,300</b>	<b>\$800</b>	<b>\$11,800</b>	<b>\$10,100</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**  
**EMS STATION 15 WILLIAMS BRIDGE STATION**  
**Asset # : 13987**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%			LIFE	**	5	\$14,900	
<i>Recent Repair Evident, Extent : Light, Area Affected : 66%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%			LIFE	**	5	\$700	
<i>Recent Repair Evident, Extent : Light, Area Affected : 66%</i>								
<i>Location : Throughout</i>								
Window Wall	5%	0-2	\$2,200	2044	**	5	\$1,600	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Roof Stair Bulkhead Wall</i>								
Wood Overhead Doors	5%	2-4	\$2,800	2037	**	5	\$2,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	10%			2040	**	5	\$200	
Aluminum	10%	Now	\$400	2040	**	5	\$100	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 3rd Floor Dormitory And Locker Room</i>								
Wood	80%	Now	\$12,800	2040	**	5	\$7,400	
<i>Air Infiltration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Not Accessible 15' High No Ladder</i>								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$700	
Masonry: Brick	75%	Now	\$14,900	LIFE	**	5	\$1,300	
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Roof Side Of Brick Parapet Walls Coated With Bituminous Tar Which Is Peeling Off</i>								
Roof								
Built-Up (BUR)	100%	Now	\$3,800	2029			\$75,400	
<i>Patching Evident, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Not Accessible</i>								

## Interior

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

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$25,900	LIFE	**	5	\$8,900	
<i>Horizontal Cracks, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout Basement</i>								
Ceramic Tile	5%			2033	**	5	\$400	
Vinyl Tile	35%	0-2	\$4,900	2029	\$24,700	3	\$1,100	
<i>Split/Cracked, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	10%			2034	**	3	\$300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	2%			LIFE	**			
Ceramic Tile	4%			2033	**	5	\$500	
Concrete Masonry Unit	20%			LIFE	**	5	\$1,100	
Gypsum Board	20%	Now	\$1,100	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	20%	2-4	\$10,700	LIFE	**			
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout Basement</i>								
Plaster	20%	Now	\$2,200	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Basement.</i>								
SGFT/Glazed Masonry	12%	Now	\$1,300	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Wood	2%			LIFE	**	5	\$1,100	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Interior Plank Walls</i>								

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

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
Embossed Metal	5%	4+	\$100	LIFE	**	5	\$200	
<i>Paint Peeling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Gypsum Board	40%	Now	\$1,700	LIFE	**	5	\$4,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Plaster	40%	Now	\$13,100	LIFE	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 3rd Floor Under Roof</i>								
No Component	15%							
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Ceiling.</i>								
<b>Site Pavements</b>								
<b>Parking/Driveway</b>								
Asphalt	71%	0-2	\$2,900	2033	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Cast in Place Concrete	29%	0-2	\$1,900	2037	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2044	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								
<b>Raceway</b>								
Conduit	100%			2044	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2040	**	5	\$100	
<b>Wiring</b>								
Braided Cloth	30%			2023	\$8,500	1		
Thermoplastic	70%			2044	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2037	**	5		

Ground

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								
<b>Stand-by Power</b>								
Transfer Switches Automatic	100%			2037	**	1	\$1,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : A T S For Generator Back Up For Entire Building</i>								
Generators Diesel	100%			2033	**	1	\$1,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Right Side Of Building</i>								
<i>Explanation : Kohler 40 Kw</i>								
Batteries Lead/Acid	100%			2020	\$1,500	5	\$200	
Fuel Storage Day Tank	100%			2040	**	5	\$900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Right Side Of Building</i>								
<i>Explanation : 50 Gallon Saddle Tank</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	100%			2032	**	10	\$4,600	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting Emergency, Battery	50%			2032	**	10	\$600	
Exit, Service	50%			2029	\$300	1		
Exterior Lighting HID	100%			2029	\$19,300	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2044	**	1		
Conversion Equipment Hot Water Boiler	100%			2022	\$36,800	1	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
Distribution								
	Hot Wtr Piping/Pump	100%			2040	**	4	\$400
Terminal Devices								
	Convactor/Radiator	95%			2029	\$24,300	1	\$1,500
	Fan Coil Unit/Heat	5%			2024	\$3,600	1	\$100
<b>Air Conditioning</b>								
Energy Source								
	Electricity	100%			2040	**	1	
Conversion Equipment								
	Window/Wall Unit	80%			2020	\$8,000	1	
			<i>Broken, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : 2nd Floor Unit</i>					
	No Component	20%						
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%			2034	**	1	
Water Heater								
	Gas Fired	100%			2022	\$2,900	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 - 75 Gallon Unit</i>					
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%	Now	\$200	2020	\$200	4	\$100
			<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
Backflow Preventer								
	No Component	95%						
	Generic	5%			2029	\$100	1	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					
Fixtures								
	Generic	100%						
			<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
<b>Fire Suppression</b>								
Sprinkler								
	No Component	80%						
	Generic	20%			2034	**	1-2	\$300

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

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Chemical System							
	No Component	90%						
	Generic	10%			2022	\$2,700	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Throughout</i> <i>Explanation : Fire Extinguishers</i>								

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 01-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Floors 1  
**Block** : 1731 **Lot** : 1 **BIN** : 1082168

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Interior Architecture		\$46,500
Electrical		\$37,000
<b>Total</b>		<b>\$83,500</b>
Importance Code B		\$83,500
<b>Total</b>		<b>\$83,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Interior Architecture	\$14,900		\$3,200	\$700
Electrical	\$200	\$300	\$300	\$200
Mechanical	\$100		\$300	
<b>Total</b>	<b>\$15,200</b>	<b>\$300</b>	<b>\$3,800</b>	<b>\$900</b>
Importance Code B	\$15,200	\$300	\$3,600	\$900
Importance Code C			\$200	
<b>Total</b>	<b>\$15,200</b>	<b>\$300</b>	<b>\$3,800</b>	<b>\$900</b>



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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 16 HARLEM STATION**  
**Asset # : 13985**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Terrazzo	10%	0-2	\$5,600	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	90%	0-2	\$9,300	2024	\$46,500	3	\$2,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<b>Interior Walls</b>								
Ceramic Tile	5%			2027	\$11,000	5	\$400	
Glass: Single Pane	5%			LIFE	**	5	\$300	
Marble Panels	5%			LIFE	**			
Plaster	85%			LIFE	**	5	\$2,000	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	100%			2037	**	5	\$6,000	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Raceway</b>								
Conduit	100%			2034	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2032	**	5	\$100	
<b>Wiring</b>								
Thermoplastic	100%			2034	**	1		
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	100%			2024	\$9,700	10	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout EMS Area - 1st Floor</i>								
<i>Explanation : T-8 Fixtures In Use</i>								
<b>Egress Lighting</b>								
Emergency, Service	50%			2024	\$900	1		
Exit, Service	50%			2029	\$200	1		
<b>Exterior Lighting</b>								
HID	100%			2024	\$13,500	10		
<b>Alarm</b>								
<b>Security System</b>								
No Component	70%							
Generic	30%			2024	\$3,200	1	\$400	
<b>Fire/Smoke Detection</b>								
Generic	100%			2024	\$37,000	1-3	\$2,200	

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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**  
**EMS STATION 16 HARLEM STATION**  
**Asset # : 13985**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
HTHW/HW	25%			2034	**	1		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Supplied From Harlem Hospital</i>						
No Component	75%							
<b>Distribution</b>								
Hot Wtr Piping/Pump	25%			2032	**	4	\$100	
No Component	75%							
<b>Terminal Devices</b>								
Convactor/Radiator	25%			2037	**	1	\$300	
No Component	75%							
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2040	**	1		
<b>Conversion Equipment</b>								
Exterior Pkg Unit - Cooling	25%			2029	\$6,800	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Hospital Roof</i>						
		<i>Explanation : No Access</i>						
No Component	75%							
<b>Distribution</b>								
Ductwork/Diffusers	25%			LIFE	**	2	\$1,100	
No Component	75%							
<b>Ventilation</b>								
Exhaust Fans								
Roof	100%			2024	\$5,600	2	\$100	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2044	**	1		
<b>Sanitary Piping</b>								
Cast Iron	100%			LIFE	**	1		
<b>Storm Drain Piping</b>								
Not Accessible	100%							
<b>Fixtures</b>								
Generic	100%							
<b>Fire Suppression</b>								
Fire Pump								
Not Accessible	100%							

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS STATION 17 HIGH BRIDGE STATION  
**Address** : 1080 OGDEN AVE. BTWN E.165 ST - E.166 ST  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSEMS.017 / 13988 **Yr Built/Renovated** : 1890 / 2012  
**Area Sq Ft** : 5,000 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 05-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,3  
**Block** : 2514 **Lot** : 9 **BIN** : 2003255

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Interior Architecture	\$40,100	
Electrical	\$39,400	\$67,200
<b>Total</b>	<b>\$79,400</b>	<b>\$67,200</b>
Importance Code B	\$79,400	\$67,200
<b>Total</b>	<b>\$79,400</b>	<b>\$67,200</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$32,400			
Interior Architecture	\$67,800			\$600
Electrical	\$41,200	\$300	\$15,500	\$400
Mechanical	\$800	\$700	\$6,100	\$8,600
<b>Total</b>	<b>\$142,200</b>	<b>\$1,100</b>	<b>\$21,600</b>	<b>\$9,600</b>
Importance Code A	\$32,900	\$500	\$500	\$500
Importance Code B	\$90,400	\$600	\$21,100	\$9,200
Importance Code C	\$19,000			
<b>Total</b>	<b>\$142,200</b>	<b>\$1,100</b>	<b>\$21,600</b>	<b>\$9,600</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**  
**EMS STATION 17 HIGH BRIDGE STATION**  
**Asset # : 13988**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Alum/Vinyl Siding	70%			2054	**	10	\$3,800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	30%	Now	\$32,400	LIFE	**	5	\$5,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Entry Facade</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 20%</i>								
<i>Location : At Entry</i>								
<b>Windows</b>								
Aluminum	100%			2049	**	5	\$1,900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Parapets</b>								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,300	
Masonry: Brick	90%			LIFE	**	5	\$1,500	
<b>Roof</b>								
Modified Bitumen	100%			2034	**	10	\$5,400	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	55%	0-2	\$14,200	LIFE	**	5	\$9,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2033	**	5	\$400	
Vinyl Tile	40%	Now	\$14,100	2024	\$28,200	3	\$1,200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd, 3rd Floors</i>								
<i>Split/Cracked, Extent : Severe, Area Affected : 90%</i>								
<i>Location : 2nd, 3rd Floors</i>								
<b>Interior Walls</b>								
Ceramic Tile	25%	0-2	\$19,000	2033	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Gypsum Board	20%			LIFE	**	5	\$1,600	
Masonry: Fieldstone	15%			LIFE	**			
Plaster	40%			LIFE	**	5	\$1,600	
<b>Ceilings</b>								
Embossed Metal	70%	0-2	\$20,400	LIFE	**	5	\$2,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	30%	Now	\$40,100	LIFE	**	5	\$400	
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Basement Ceiling Arches</i>								
<b>Site Enclosure</b>								

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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 17 HIGH BRIDGE STATION**  
**Asset # : 13988**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2044	**			
Site Pavements								
Parking/Driveway								
Asphalt	100%			2039	**			
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2024	\$4,900	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : In Front Office</i>								
<i>Explanation : 1- 200 Amperes Service</i>								
Raceway								
Conduit	90%			2024	\$28,800	1		
Conduit	10%			2034	**	1		
Panelboards								
Molded Case Bkrs	100%			2023	\$39,400	5	\$100	
Wiring								
Thermoplastic	80%			2024	\$22,700	1		
Thermoplastic	20%			2034	**	1		
Motor Controllers								
Locally Mounted	100%			2022	\$14,700	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	\$4,900	1	\$1,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Office Rear</i>								
<i>Explanation : Asco Type Switch</i>								
Generators								
Diesel	100%			2027	\$67,200	1	\$1,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside Rear Of Building</i>								
<i>Explanation : 81 Kva Unit - Onan Cummins Type</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$200	
Fuel Storage								
Day Tank	100%			2032	**	5	\$900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside Rear Of Building</i>								
<i>Explanation : 60 Gallon Tank</i>								

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**FIRE DEPARTMENT - 057**  
**EMS STATION 17 HIGH BRIDGE STATION**  
**Asset # : 13988**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	100%			2020	\$13,800	10	\$4,600	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting Emergency, Service	50%			2020	\$1,300	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Main Power Fixtures</i>								
Exit, Service	50%			2020	\$300	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Main Power Fixtures</i>								
Exterior Lighting HID	100%			2020	\$19,300	10		
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source Natural Gas	100%			2044	**	1		
Conversion Equipment Steam Boiler	100%			2041	**	1	\$5,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2044	**	4	\$400	
Terminal Devices Convactor/Radiator	100%			2029	\$25,600	1	\$1,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Cast Iron Radiators, One Pipe System</i>								
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2040	**	1		
Conversion Equipment Window/Wall Unit	50%			2023	\$5,000	1		
No Component	50%							
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	100%			2034	**	1		
Water Heater Gas Fired	100%			2023	\$2,900	2	\$100	

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**FIRE DEPARTMENT - 057**  
**EMS STATION 17 HIGH BRIDGE STATION**  
**Asset # : 13988**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						
			<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
<b>Fire Suppression</b>								
	Sprinkler							
	Not Accessible	100%						
	Chemical System							
	No Component	80%						
	Generic	20%			2022	\$5,300	1-3	\$700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Fire Extinguishers</i>					

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS STATION 18 BATHGATE STATION  
**Address** : 1647 WASHINGTON AVENUE  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSEMS.018 / 13707 **Yr Built/Renovated** : 2002 /  
**Area Sq Ft** : 5,990 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 04-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 2905 **Lot** : 30 **BIN** : 2817123

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$30,600		\$3,700	
Interior Architecture	\$31,000		\$1,900	\$500
Electrical	\$700	\$500	\$700	\$2,100
Mechanical	\$4,400	\$200	\$2,900	\$200
Site Pavements	\$2,800			
<b>Total</b>	<b>\$69,500</b>	<b>\$700</b>	<b>\$9,200</b>	<b>\$2,700</b>
Importance Code A	\$31,100	\$100	\$4,200	\$100
Importance Code B	\$29,000	\$600	\$5,000	\$2,400
Importance Code C	\$9,400			\$300
<b>Total</b>	<b>\$69,500</b>	<b>\$700</b>	<b>\$9,200</b>	<b>\$2,700</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**  
**EMS STATION 18 BATHGATE STATION**  
**Asset # : 13707**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Alum/Vinyl Siding	20%			2049	**	10	\$1,000	
Concrete Masonry Unit	10%			LIFE	**	5	\$2,000	
Masonry: Brick	55%			LIFE	**	5	\$17,500	
Metal Sect. OHD	15%			2042	**	5	\$7,500	
<b>Windows</b>								
Aluminum	100%			2045	**	5	\$600	
<b>Parapets</b>								
Masonry: Brick	90%			LIFE	**	5-10	\$10,300	
Pre-Cast Concrete	10%	Now	\$600	LIFE	**	5	\$1,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping</i>								
<i>Open Joints, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping</i>								
<b>Roof</b>								
Modified Bitumen	75%			2034	**	10	\$12,600	
<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Single Ply Membrane	20%			2034	**	10	\$3,400	
Sloped Glazing	5%			LIFE	**	5	\$22,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Above Exterior Awning Over Vehicle Entrance</i>								
<i>Explanation : Plastic Glazing</i>								
<b>Soffits</b>								
Metal, Corrugated	100%			2049	**	1		
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	65%			LIFE	**	5	\$25,400	
Ceramic Tile	5%			2038	**	5	\$400	
Vinyl Tile	30%			2034	**	3	\$1,000	
<b>Interior Walls</b>								
Ceramic Tile	5%			2038	**	5	\$500	
Concrete Masonry Unit	60%			LIFE	**	5	\$5,100	
Gypsum Board	35%			LIFE	**	5-10	\$6,300	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Lower Section Of Walls</i>								
<i>Explanation : Protected With Steel Plates</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	35%			2042	**	5	\$3,100	
Exposed Struc: Steel	65%			LIFE	**	10	\$11,600	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Cast in Place Concrete	15%			2064	**			
Chain Link	85%			2049	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2034	**			

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Site Pavements</b>								
On-Site Walkways								
Asphalt	40%			2032	**			
Cast in Place Concrete	60%			2034	**			
Parking/Driveway								
Asphalt	100%	4+	\$2,800	2032	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2049	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Switch Rated At 600 Amperes</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2049	**	5		
Raceway								
Conduit	100%			2049	**	1		
Panelboards								
Fused Disc Sw	20%			2045	**	5		
Molded Case Bkrs	80%			2045	**	5	\$100	
Wiring								
Thermoplastic	100%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2042	**	5		
<b>Ground</b>								
Grounding Devices								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location :</i>								
<i>Explanation : Covered With Insulation</i>								
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2042	**	1	\$1,800	
Generators								
Diesel	100%			2038	**	1	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Diesel Generator Rated At 40 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2023	\$1,500	5	\$200	

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power								
Fuel Storage								
Main Tank	100%			2057	**	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 50 Gallon Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	100%			2034	**	10	\$5,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps</i>						
Egress Lighting								
Emergency, Service	50%			2034	**	1		
Exit, LED	50%			2057	**	1		
Exterior Lighting								
HID	100%			2034	**	10		
Alarm								
Fire/Smoke Detection								
No Component	70%							
Generic, Analog	30%			2034	**	1-3	\$1,100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Manual Pull Station, Strobe Lights And Alarm Bells</i>						

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Furnace	30%			2029	\$4,000	1	\$900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 1 Natural Gas Fired Packaged Rooftop Unit</i>						
Radiant Heater	70%			2034	**	2	\$1,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Garage</i>						
		<i>Explanation : 3 Natural Gas Fired Space Heaters</i>						
Terminal Devices								
Fan Coil Unit/Heat	10%			2034	**	1	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Vestibule</i>						
		<i>Explanation : Electric Cabinet Unit Heater</i>						
No Component	90%							
Air Conditioning								

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
Energy Source								
	Electricity	100%			2045	**	1	
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling Split Unit	30%			2029	\$21,500	2	\$100
	No Component	2%			2029	\$2,400		
		68%						
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2	\$9,700
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,300
Exhaust Fans								
	Roof	60%			2029	\$5,700	2	\$100
	Wall Unit	40%			2029	\$800	2	\$100
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%			2049	**	1	
Water Heater								
	Gas Fired	100%			2024	\$3,500	2	\$100
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
<i>Low Consumption Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Men And Women Toilet Rooms</i>								

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

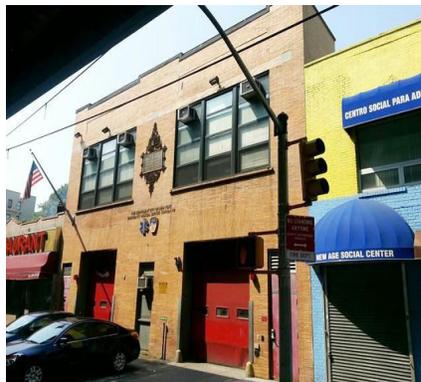
Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 26-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Floors 1,2  
**Block** : 3197 **Lot** : 33 **BIN** : 2014235

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$124,500
Electrical		\$135,800
Mechanical		\$47,900
<b>Total</b>		<b>\$308,200</b>
Importance Code A		\$172,400
Importance Code B		\$135,800
<b>Total</b>		<b>\$308,200</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$35,700			
Interior Architecture	\$12,300		\$3,000	\$1,200
Electrical	\$12,200	\$900	\$900	\$800
Mechanical	\$1,000	\$500	\$12,600	\$500
<b>Total</b>	<b>\$61,200</b>	<b>\$1,400</b>	<b>\$16,500</b>	<b>\$2,500</b>
Importance Code A	\$36,000	\$300	\$300	\$300
Importance Code B	\$22,800	\$1,100	\$16,200	\$1,500
Importance Code C	\$2,400			\$700
<b>Total</b>	<b>\$61,200</b>	<b>\$1,400</b>	<b>\$16,500</b>	<b>\$2,500</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**  
**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	Priority
Exterior								
Exterior Walls								
Masonry: Brick	30%	Now	\$18,000	LIFE	**	5	\$5,900	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : West Facade</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : West Facade</i>								
Masonry: Brick	45%			LIFE	**	5	\$8,800	
Metal Sect. OHD	20%			2029	\$124,500	5	\$12,200	
Pre-Cast Concrete	5%			LIFE	**	5	\$3,200	
Windows								
Aluminum	100%			2040	**	5	\$2,200	
Parapets								
Masonry: Brick	25%	Now	\$10,600	LIFE	**	5	\$500	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$600	
Not Accessible	70%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Roof Access</i>								
<i>Explanation : Roof Access Was Locked</i>								
Roof								
Modified Bitumen	20%	Now	\$5,900	2029	\$29,400			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Over First Floor</i>								
Not Accessible	80%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Roof Access</i>								
<i>Explanation : Roof Access Was Locked</i>								
Interior								
Floors								
Cast in Place Concrete	55%			LIFE	**	5	\$13,100	
Ceramic Tile	10%			2027	\$21,500	5	\$1,100	
Vinyl Tile	35%	Now	\$9,900	2029	\$33,000	3	\$1,400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout.</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	10%			2033	**	5	\$1,500	
Concrete Masonry Unit	10%			LIFE	**	5	\$600	
Gypsum Board	10%			LIFE	**	5	\$900	
Masonry: Brick	10%			LIFE	**			
Plaster	10%	Now	\$2,400	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At East Entrance</i>								
Plaster	50%			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 19 (FORMER ENGINE CO. 75)**  
**Asset # : 13399**

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

## Interior

## Ceilings

AcousTileSusp.Lay-In	45%			2037	**	5	\$4,900	
Embossed Metal	50%			LIFE	**	5	\$2,400	
Exposed Concrete	5%			LIFE	**	5	\$100	

## Site Enclosure

## Free Standing Walls

Concrete Masonry Unit	100%			2044	**			
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## Site Pavements

## On-Site Walkways

Cast in Place Concrete	100%			2037	**			
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## Parking/Driveway

Cast in Place Concrete	100%			2037	**			
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<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2024	\$4,900	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Basement*

*Explanation : Main Service Switch Rated At 600 Amperes*

## Raceway

Conduit	100%			2034	**	1		
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## Panelboards

Fused Disc Sw	20%			2032	**	5		
Molded Case Bkrs	80%			2032	**	5	\$100	

## Wiring

Thermoplastic	100%			2034	**	1		
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## Motor Controllers

Locally Mounted	100%			2029	\$14,700	5		
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## Ground

## Grounding Devices

Generic	100%	2-4	\$9,700	LIFE	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Basement*

*Explanation : Corroded*

## Stand-by Power

## Transfer Switches

Automatic	100%			2029	\$4,900	1	\$2,000	
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## Generators

Diesel	100%			2027	\$67,200	1	\$2,500	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Outside*

*Explanation : Emergency Generator Rated At 40 Kw*

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 19 (FORMER ENGINE CO. 75)**  
**Asset # : 13399**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2039	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2024	\$18,000	10	\$6,000	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Emergency, Service	50%			2024	\$1,600	1		
Exit, LED	50%			2039	**	1		
Exterior Lighting								
HID	100%			2024	\$25,000	10		
Alarm								
Fire/Smoke Detection								
Generic	100%			2024	\$68,700	1-3	\$4,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Manual Pull Station, Strobe Lights, Smoke Detectors</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2034	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2029	\$47,900	1	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2032	**	4	\$500	
Terminal Devices								
Convactor/Radiator	60%			2029	\$19,900	1	\$1,300	
Unit Heater - Steam	40%			2024	\$8,900	4	\$400	
Air Conditioning								
Energy Source								
Electricity	100%			2032	**	1		
Conversion Equipment								
Window/Wall Unit	60%			2022	\$7,800	1		
No Component	40%							

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	40%			LIFE	**	2-5	\$1,400
	No Component	60%						
<b>Exhaust Fans</b>								
	Wall Unit	30%			2032	**	2	\$100
	No Component	30%						
	Not Accessible	40%						
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%			2044	**	1	
<b>Water Heater</b>								
	Gas Fired	100%			2022	\$3,800	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 1 - 80 Gallon Unit Used With Solar Unit</i>				
<b>HW Heat Exchanger</b>								
	Steam Fired	100%			2050	**	4	\$600
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Roof / Basement</i>				
				<i>Explanation : Solar</i>				
<b>Sanitary Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Storm Drain Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Sump Pump(s)</b>								
	Non-Submersible	100%	0-2	\$200	2024	\$900	4	\$100
				<i>Corroded, Extent : Severe, Area Affected : 10%</i>				
				<i>Location : The Housing</i>				
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Dual Unit</i>				
<b>Backflow Preventer</b>								
	Generic	100%			2029	\$1,600	1	\$400
<b>Fixtures</b>								
	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS STATION 20 MORRIS PARK STATION  
**Address** : JACOBI HOSPITAL 1410 PELHAM PARKWAY SOUTH  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSEMS.020 / 13990 **Yr Built/Renovated** :  
**Area Sq Ft** : 12,848 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 29-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 4205 **Lot** : 1 **BIN** : 2097552

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$288,900	\$137,800
Interior Architecture	\$41,100	
Electrical	\$35,600	\$135,800
Mechanical	\$147,100	
Site Pavements	\$213,000	
<b>Total</b>	<b>\$725,600</b>	<b>\$273,600</b>
Importance Code A	\$288,900	\$137,800
Importance Code B	\$182,700	\$135,800
Importance Code C	\$254,000	
<b>Total</b>	<b>\$725,600</b>	<b>\$273,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$55,900			\$1,300
Interior Architecture	\$41,600	\$300		\$200
Electrical	\$6,900	\$1,200	\$1,600	\$14,400
Mechanical	\$14,200	\$400	\$900	\$10,800
Site Pavements	\$29,500			
<b>Total</b>	<b>\$148,000</b>	<b>\$1,900</b>	<b>\$2,500</b>	<b>\$26,700</b>
Importance Code A	\$55,900			\$1,300
Importance Code B	\$60,200	\$1,900	\$2,500	\$25,400
Importance Code C	\$31,900			
<b>Total</b>	<b>\$148,000</b>	<b>\$1,900</b>	<b>\$2,500</b>	<b>\$26,700</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**  
**EMS STATION 20 MORRIS PARK STATION**  
**Asset # : 13990**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$125,000	LIFE	**	5	\$8,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : At Entry Doors, Flag Pole Anchors, Building Corners, Underside Of Window Sills</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 30%</i>								
<i>Location : At Entry Doors, Flag Pole Anchors, Building Corners, Underside Of Window Sills</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Lower Half Of All Facades</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 20%</i>								
<i>Location : East Elevation And At Base Of Building - Perimeter Entire</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : At Base Of North And East Perimeter Walls - Seeps Through From Exterior</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Northern Half Of Building</i>								
<i>Explanation : The Ems Facility Resides In Portion Of Building Entire</i>								
Metal Panel	10%	Now	\$700	2038	**	5	\$1,800	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Building Corners And Window Sills</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Building Corners And Window Sills</i>								
Metal Coiling Doors	5%	Now	\$27,700	2048	**	5	\$700	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Panel Of Door And At Door Track</i>								
Windows								
Aluminum	100%	Now	\$115,900	2053	**	5	\$1,400	
<i>Air Infiltration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Windows - East Elevation</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Observed Within Apparatus Floor And East Side Of Building - Assumed Throughout</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Observed Within Apparatus Floor And East Side Of Building - Assumed Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Observed Within Apparatus Floor And East Side Of Building - Assumed Throughout</i>								
<i>Explanation : All Windows Are At The End Of Their Useful Life</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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 20 MORRIS PARK STATION**  
**Asset # : 13990**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	100%	Now	\$27,600	2028	\$137,800			
<i>Gut/DS Non Func/Miss, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Water Sheeting Over Soffit Edge Eroding Grounds</i>								
<i>Reflective Surface, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Entire</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : West Side Of Roof - Observed From Ground Plane</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Roof Penetrations And North East Corner Of Storage Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Entire</i>								
<i>Explanation : Condition Of Roof Observed From Ground Plane. No Access Hatch Available</i>								
Soffits								
Metal Panel	30%			2038	**	5-10	\$4,800	
Stucco Cement	70%	Now	\$48,000	2048	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations On The Underside Of Perimeter Soffit</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 25%</i>								
<i>Location : East Side Of Building</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Evidence Of Water Saturation Throughout Perimeter Soffits</i>								
Interior								
Floors								
Cast in Place Concrete	87%	0-2	\$15,400	LIFE	**	5	\$31,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations At Perimeter Of Apparatus Floor</i>								
Ceramic Tile	3%			2031	**	5	\$500	
Vinyl Tile	10%	Now	\$1,400	2033	**	3	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Dispatch Offices</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$900	2031	**	5	\$300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Partitions At Shower Stalls In Locker Rooms</i>								
Gypsum Board	55%	Now	\$1,500	LIFE	**	5	\$4,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Partitions At Shower Stalls In Locker Rooms</i>								
SGFT/Glazed Masonry	40%	Now	\$41,100	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Apparatus Floor - At Columns, Wall Openinge - At Entry Doors</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : At Base Of North And East Perimeter Walls - Seeps Through From Exterior</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Interior								
Ceilings								
Plaster	100%	Now	\$22,300	LIFE	**	5	\$10,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Where Ceiling Meets Wall In Corridor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Exhaust Hood In Apparatus Floor And North East Corner Of Storage Room</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2038	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$15,000	2048	**			
<i>Sinking/Subsiding, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Perimeter Walkways At Building And Parking Lot</i>								
Parking/Driveway								
Asphalt	10%	Now	\$14,500	2043	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North East Portion Of Lot</i>								
Cast in Place Concrete	90%	Now	\$213,000	2048	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : At Apron And Approach To Overhead Entry Door</i>								
<i>Ponding, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Access Road To Apparatus Floor</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Parking Area</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Raceway								
Conduit	100%			2028	\$32,000	1		
Panelboards								
Fused Disc Sw	20%			2027	\$7,900	5	\$100	
Molded Case Bkrs	80%			2027	\$31,500	5	\$300	
Wiring								
Braided Cloth	20%	2-4	\$5,700	2053	**	1		
<i>Insulation Aged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	80%			2028	\$22,700	1		
Motor Controllers								
Locally Mounted	100%			2026	\$14,700	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**  
**EMS STATION 20 MORRIS PARK STATION**  
**Asset # : 13990**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	100%			2023	\$35,600	10	\$11,800	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting Exit, Service	100%			2023	\$1,500	1		
<b>Alarm</b>								
Security System Generic	100%			2036	**	1	\$4,800	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cctv Surveillance Camera In The Front And Back Of The Building.</i>								
<i>Explanation : CCTV Surveillance Camera</i>								
Fire/Smoke Detection Generic, Digital	100%			2028	\$135,800	1-3	\$7,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Manual Pull Station And Horns</i>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Plant Campus Steam / PRV	80%			2038	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Hospital Campus</i>								
<i>Explanation : Steam Is Provided From Adjacent Building No. 7 - Storehouse</i>								
No Component	20%							
<b>Distribution</b>								
Central Plant Steam Piping/Pmp	80%	Now	\$8,300	2038	**	4	\$500	
<i>Leak Evident, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Of Garage Door, 1st Floor</i>								
No Component	20%							
<b>Terminal Devices</b>								
Fan Coil Unit/Heat	80%	0-2	\$147,100	2038	**	1	\$3,000	
<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
No Component	20%							
<b>Air Conditioning</b>								
Energy Source Electricity	50%			2044	**	1		
No Component	50%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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 20 MORRIS PARK STATION**  
**Asset # : 13990**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
Conversion Equipment								
	Window/Wall Unit	30%			2023	\$7,700	1	
	No Component	70%						
<b>Ventilation</b>								
Exhaust Fans								
	Interior	20%			2033	* *	2	\$100
	No Component	80%						
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%	Now	\$4,600	2038	* *	1	
	<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Bathroom</i>							
Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1	
Storm Drain Piping								
	Cast Iron	100%	Now	\$1,300	LIFE	* *	1	
	<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Gutters</i>							
Sump Pump(s)								
	Submersible	100%			2022	\$400	4	\$300
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st Floor</i>							
	<i>Explanation : 2 Units</i>							
Fixtures								
	Generic	100%						
	<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
<b>Fire Suppression</b>								
Chemical System								
	No Component	90%						
	Generic	10%			2023	\$2,700	1-3	\$400
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Fire Extinguishers</i>							

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

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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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 05-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 2663 **Lot** : 22 **BIN** : 2004749

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$78,500
Interior Architecture	\$36,100	\$85,900
Electrical	\$35,400	\$67,200
<b>Total</b>	<b>\$71,500</b>	<b>\$231,600</b>
Importance Code A		\$78,500
Importance Code B	\$71,500	\$153,100
<b>Total</b>	<b>\$71,500</b>	<b>\$231,600</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$45,700			
Interior Architecture	\$55,800		\$200	\$500
Electrical	\$48,800	\$500	\$15,900	\$20,400
Mechanical	\$20,500	\$600	\$6,500	\$600
<b>Total</b>	<b>\$170,700</b>	<b>\$1,100</b>	<b>\$22,700</b>	<b>\$21,500</b>
Importance Code A	\$54,700	\$400	\$400	\$400
Importance Code B	\$111,000	\$700	\$22,100	\$21,200
Importance Code C	\$5,100		\$200	
<b>Total</b>	<b>\$170,700</b>	<b>\$1,100</b>	<b>\$22,700</b>	<b>\$21,500</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**  
**EMS STATION 26 MORRISANIA STATION**  
**Asset # : 13991**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Metal, Corrugated	95%	Now	\$20,100	2050	**	1		
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Bottom Of Street Wall</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Metal Coiling Doors	5%			2029	\$41,100	5	\$2,200	
Windows								
Aluminum	100%	Now	\$25,600	2049	**	5	\$300	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : There Are 8 Windows</i>								
Roof								
Metal Panel	100%			2037	**	10	\$37,400	
Interior								
Floors								
Cast in Place Concrete	55%	0-2	\$12,200	LIFE	**	5	\$12,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%	0-2	\$4,100	2027	\$10,300	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	40%	Now	\$36,100	2034	**	3	\$1,600	
<i>Patching Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Split/Cracked, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2027	\$12,800	5	\$500	
Concrete Masonry Unit	55%			LIFE	**	5	\$2,000	
Metal Panel	40%	0-2	\$5,100	LIFE	**			
<i>Deformed/Dented, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	100%	0-2	\$34,400	2029	\$85,900	5	\$5,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2037	**			
On-Site Walkways								
Cast in Place Concrete	100%			2037	**			

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Estimates are rounded to the nearest hundred dollars.

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

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

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2037	**			
<b>Electrical</b>								
<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>				
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2024	\$4,900	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Office</i>								
<i>Explanation : 1- 200 Ampere Service</i>								
Raceway								
Conduit	90%			2024	\$28,800	1		
Conduit	10%			2034	**	1		
Panelboards								
Molded Case Bkrs	90%			2023	\$35,400	5	\$200	
Molded Case Bkrs	10%			2032	**	5		
Wiring								
Braided Cloth	70%			2023	\$19,800	1		
Thermoplastic	30%			2034	**	1		
Motor Controllers								
Locally Mounted	100%			2022	\$14,700	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Office</i>								
<i>Explanation : Ground Conductor Not Connected To 200 Ampere Switch</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	\$4,900	1	\$2,300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Office</i>								
<i>Explanation : 200 Ampere Asco Type Switch</i>								
Generators								
Diesel	100%			2027	\$67,200	1	\$2,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside Rear Of Building</i>								
<i>Explanation : 80 Kilo-volt-ampere Unit - Onan Cummins Type Unit</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$300	

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

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
Fuel Storage Day Tank	100%			2032	**	5	\$1,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside Rear Of Building</i>								
<i>Explanation : 60 Gallon Tank</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	50%			2020	\$10,400	10	\$3,400	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
HID	47%			2020	\$3,600	10	\$100	
HID	3%	Now	\$100	2024	\$200			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
<i>Explanation : Fixtures Damaged - Not Working</i>								
<b>Egress Lighting</b>								
Exit, Service	100%			2024	\$900	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Main Power Fixtures</i>								
<b>Exterior Lighting</b>								
HID	100%			2020	\$28,900	10		
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2034	**	1		
<b>Conversion Equipment</b>								
Furnace	50%	Now	\$8,400	2034	**	1	\$1,700	
<i>Broken, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : 2 Units</i>								
Hot Water Boiler	50%	Now	\$600	2041	**	1	\$1,700	
<i>Malfunctioning, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Control System</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
<b>Distribution</b>								
Hot Wtr Piping/Pump	50%			2040	**	4	\$300	
No Component	50%							

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 26 MORRISANIA STATION**  
**Asset # : 13991**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	40%			2029	\$15,400	1	\$1,000	
Unit Heater - Steam	10%			2029	\$2,600	4	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Locker Room</i>								
<i>Explanation : Modine Hw Unit Heaters</i>								
No Component	50%							
Air Conditioning								
Energy Source								
Electricity	100%			2032	**	1		
Conversion Equipment								
Window/Wall Unit	40%			2022	\$6,000	1		
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2034	**	1		
Water Heater								
Gas Fired	100%			2020	\$4,400	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Locker Room</i>								
<i>Explanation : A O Smith Gas Fired Dhw Heater</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$1,500	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Gutters</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Backs Up With Heavy Rain</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	80%							
Generic	20%			2020	\$5,300	1-3	\$800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS STATION 27  
**Address** : 243 EAST 233RD STREET BTWN KEPLER AVE. - KATONAH AVE.  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSEMS.027 / 13993 **Yr Built/Renovated** : 2011 /  
**Area Sq Ft** : 12,027 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 18-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,3,4  
**Block** : 3374 **Lot** : 10 **BIN** : 2019007

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture		\$15,000		\$11,600
Interior Architecture		\$800	\$900	\$1,400
Electrical	\$2,200	\$2,200	\$2,000	\$3,900
Mechanical	\$1,300	\$1,400	\$2,400	\$1,300
<b>Total</b>	<b>\$3,500</b>	<b>\$19,400</b>	<b>\$5,300</b>	<b>\$18,100</b>
Importance Code A	\$500	\$15,700	\$500	\$12,200
Importance Code B	\$2,900	\$3,700	\$4,200	\$5,900
Importance Code C			\$500	
<b>Total</b>	<b>\$3,500</b>	<b>\$19,400</b>	<b>\$5,300</b>	<b>\$18,100</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**  
**EMS STATION 27**  
**Asset # : 13993**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	70%			LIFE	**	5	\$17,000	
Metal Panel	10%			2048	**	5-10	\$16,700	
Metal Sect. OHD	20%			2041	**	5	\$15,200	
<b>Windows</b>								
Aluminum	100%			2044	**	5	\$1,200	
<b>Parapets</b>								
Metal Panel	100%			2048	**	5	\$6,700	
<b>Roof</b>								
Built-Up (BUR)	20%			2033	**	10	\$1,600	
Metal Panel	50%			2041	**	10	\$7,400	
Plaza Roof: Stone Panels	5%			2048	**			
Single Ply Membrane	25%			2033	**	10	\$2,000	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	50%			LIFE	**	5	\$19,700	
Ceramic Tile	5%			2037	**	5	\$900	
Sheet Vinyl/Rubber	10%			2033	**	5	\$2,700	
Vinyl Tile	35%			2033	**	3	\$2,400	
<b>Interior Walls</b>								
Ceramic Tile	5%			2037	**	5	\$900	
Concrete Masonry Unit	50%			LIFE	**	5	\$3,800	
Glazed Ceramic Panel	10%			LIFE	**			
Gypsum Board	15%			LIFE	**	5	\$1,700	
Metal Panel	10%			LIFE	**			
Plaster	10%			LIFE	**	5	\$600	
<b>Ceilings</b>								
Metal Panel	20%			LIFE	**	5	\$4,500	
Plaster	20%			LIFE	**	5	\$2,300	
Plaster	60%			LIFE	**	5	\$6,800	
<b>Site Pavements</b>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2041	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2054	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room Basement</i>								
<i>Explanation : One 400 Amperes Main Disconnect Switch</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2054	**	5	\$300	

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Raceway								
Conduit	100%			2054	**	1		
Panelboards								
Fused Disc Sw	10%			2050	**	5		
Molded Case Bkrs	90%			2050	**	5	\$300	
Wiring								
Thermoplastic	100%			2054	**	1		
Motor Controllers								
Locally Mounted	100%			2045	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2045	**	1	\$3,700	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two Automatic Transfer Switches</i>						
Generators								
Diesel	100%			2041	**	1	\$4,700	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Generator Room - Basement</i>						
		<i>Explanation : One 83 Kw</i>						
Batteries								
Lead/Acid	100%			2023	\$1,500	5	\$400	
Fuel Storage								
Main Tank	100%			2063	**	5	\$400	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 2366 Gallons</i>						
Lighting								
Interior Lighting								
Fluorescent	100%			2036	**	10	\$11,000	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Egress Lighting								
Emergency, Service	60%			2036	**	1		
Exit, Service	40%			2036	**	1		
Exterior Lighting								
HID	100%			2036	**	10		
Alarm								
Security System								
Generic	100%			2036	**	1	\$4,500	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Inside And Outside</i>						
		<i>Explanation : Seven CCTV Surveillance Camera</i>						

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

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

## Alarm

Fire/Smoke Detection Generic, Digital	100%			2036	**	1-3	\$7,400	
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<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Heating

Energy Source								
Electricity	10%			2054	**	1		
Natural Gas	90%			2054	**	1		

## Conversion Equipment

Furnace	50%			2033	**	1	\$3,000	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : 3 Roof Top Package Units</i>								

Hot Water Boiler	40%			2041	**	1	\$2,400	
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : 1 Unit</i>								

Radiant Heater	10%			2033	**	2	\$600	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Staircases</i>								
<i>Explanation : 6 Sections Of Electric Baseboard</i>								

## Distribution

Hot Wtr Piping/Pump	40%			2050	**	4	\$200	
No Component	60%							

## Terminal Devices

Convactor/Radiator	15%			2041	**	1	\$600	
Fan Coil Unit/Heat	15%			2033	**	1	\$600	
Unit Heater - Steam	10%			2033	**	4	\$200	
No Component	60%							

## Air Conditioning

Energy Source								
Electricity	100%			2050	**	1		

## Conversion Equipment

Ext Pkg Unit - Heating/Cooling	50%			2036	**	2	\$400	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : 3 Roof Top Package Units. R-410a</i>								

Split Unit	10%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units. R-410a</i>								

No Component	40%							
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**FIRE DEPARTMENT - 057**  
**EMS STATION 27**  
**Asset # : 13993**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Air Conditioning</b>								
<b>Terminal Devices</b>								
Fan Coil - 2 Pipe	10%			2033	**	1	\$400	
No Component	90%							
<b>Heat Rejection</b>								
Evaporative Condenser	10%			2033	**	2	\$800	
No Component	90%							
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,700	
<b>Exhaust Fans</b>								
Interior	15%			2033	**	2	\$100	
Roof	85%			2033	**	2	\$300	
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
Brass/Copper	100%			2048	**	1		
<b>Water Heater</b>								
Gas Fired	100%			2026	\$7,000	2	\$200	
<b>Sanitary Piping</b>								
Cast Iron	100%			LIFE	**	1		
<b>Storm Drain Piping</b>								
Cast Iron	100%			LIFE	**	1		
<b>Backflow Preventer</b>								
Generic	100%			2036	**	1	\$700	
<b>Fixtures</b>								
Generic	100%							
<b>Fire Suppression</b>								
<b>Sprinkler</b>								
Generic	100%			2054	**	1-2	\$3,400	

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS STATION 31 CUMBERLAND STATION  
**Address** : 39 AUBURN PLACE @ N. PORTLAND AVE.  
**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** : 12-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Floors 1  
**Block** : 2039 **Lot** : 101 **BIN** : 3251647

**CAPITAL**

**Total**

Importance Code

**Total**

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$400		\$10,200	
Interior Architecture	\$46,000			\$800
Electrical			\$14,700	
Mechanical	\$9,700	\$100	\$1,100	\$200
<b>Total</b>	<b>\$56,100</b>	<b>\$100</b>	<b>\$26,100</b>	<b>\$1,000</b>
Importance Code A	\$400		\$10,200	
Importance Code B	\$45,500	\$100	\$15,800	\$800
Importance Code C	\$10,200			\$200
<b>Total</b>	<b>\$56,100</b>	<b>\$100</b>	<b>\$26,100</b>	<b>\$1,000</b>



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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	60%			LIFE	**	5	\$9,800	
Metal Coiling Doors	40%			2037	**	5	\$20,500	
<b>Windows</b>								
Aluminum	100%			2040	**	5	\$800	
<b>Roof</b>								
No Component	80%							
Not Accessible	20%							
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	30%	Now	\$1,900	LIFE	**	5	\$4,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage Area</i>								
Ceramic Tile	5%			2033	**	5	\$300	
Vinyl Tile	65%	Now	\$20,400	2029	\$34,000	3	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Interior Walls</b>								
Ceramic Tile	4%			2033	**	5	\$300	
Concrete Masonry Unit	1%			LIFE	**	5		
Gypsum Board	85%	0-2	\$1,500	LIFE	**	5	\$4,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	5%	Now	\$1,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage Area</i>								
Masonry: Limestone	5%	Now	\$7,100	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 100%</i>								
<i>Location : Interior Window Sills</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	90%	Now	\$13,500	2037	**	5	\$2,700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	10%			LIFE	**	5	\$100	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Raceway</b>								
Conduit	100%			2034	**	1		

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Panelboards</b>								
Molded Case Bkrs	100%			2032	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : In Hallway</i>								
<i>Explanation : Breaker Panel In Use</i>								
<b>Wiring</b>								
Thermoplastic	100%			2034	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2022	\$14,700	5		
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5		
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement Of Main Cumberland Building</i>								
<i>Explanation : Ground Located Elsewhere</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	100%			2024	\$8,900	10	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 And T-12 Fixtures In Use</i>								
<b>Egress Lighting</b>								
Exit, Service	100%			2024	\$400	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Egress Fixtures Connected To Main Building Service</i>								
<b>Exterior Lighting</b>								
HID	100%			2024	\$12,300	10		
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Utilities Provided From Main Hospital Building</i>								
<b>Conversion Equipment</b>								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Provided From Main Hospital Building</i>								

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Distribution</b>								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Office, Break Area, Lockers</i>								
<i>Explanation : Area Served By Heating / Cooling Ducts And Diffusers</i>								
Hot Wtr Piping/Pump	50%			2040	**	4	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : Hot Water System Serves Garage Unit Heaters</i>								
<b>Terminal Devices</b>								
Fan Coil Unit/Heat	50%	Now	\$1,100	2024	\$22,900	1	\$500	
<i>Broken, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2 Units In Garage</i>								
No Component	50%							
<b>Air Conditioning</b>								
<b>Energy Source</b>								
Not Accessible	100%							
<b>Conversion Equipment</b>								
Window/Wall Unit	50%			2020	\$3,200	1		
Not Accessible	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Offices, Break Area, Locker Area</i>								
<i>Explanation : Located In Main Hospital Building</i>								
<b>Distribution</b>								
Ductwork/Diffusers	50%			LIFE	**	2	\$2,100	
No Component	50%							
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$1,800	
<b>Exhaust Fans</b>								
Not Accessible	100%							
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
Brass/Copper	100%			2044	**	1		
<b>Water Heater</b>								
Electric	50%			2020	\$1,300	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : 1 - 50 Gallon Unit Serves Garage Utility Sink</i>								
No Component	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Locker Areas</i>								
<i>Explanation : H W Provided From Main Hospital Building</i>								
<b>Sanitary Piping</b>								
Cast Iron	100%	Now	\$1,100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hallway</i>								

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%			2024	\$500	4	\$100
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Sprinkler							
	Generic	100%			2044	**	1-2	\$900
	Fire Pump							
	Not Accessible	100%						
	Chemical System							
	No Component	90%						
	Generic	10%			2020	\$2,700	1-3	\$400
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Fire Extinguishers</i>							

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 22-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 452 **Lot** : 5 **BIN** : 3007662

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$182,800	
Mechanical		\$156,700
Site Pavements	\$62,000	
<b>Total</b>	<b>\$244,800</b>	<b>\$156,700</b>
Importance Code A	\$182,800	
Importance Code B		\$156,700
Importance Code C	\$62,000	
<b>Total</b>	<b>\$244,800</b>	<b>\$156,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$5,100		\$4,200	
Interior Architecture	\$400		\$1,800	\$1,300
Electrical	\$3,000	\$1,500	\$8,600	\$1,200
Mechanical	\$4,700	\$800	\$11,000	\$800
<b>Total</b>	<b>\$13,200</b>	<b>\$2,400</b>	<b>\$25,600</b>	<b>\$3,400</b>
Importance Code A	\$5,500	\$400	\$4,600	\$400
Importance Code B	\$7,700	\$2,000	\$21,000	\$2,300
Importance Code C				\$700
<b>Total</b>	<b>\$13,200</b>	<b>\$2,400</b>	<b>\$25,600</b>	<b>\$3,400</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**  
**EMS STATION 32 EMS - BROOKLYN HEIGHTS/RED HOOK**  
**Asset # : 13875**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	0-2	\$57,900	LIFE	**	5	\$9,400	
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Parking Lot Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Metal Panel	10%			2044	**	5-10	\$9,200	
Metal Sect. OHD	20%			2037	**	5	\$8,400	
Windows								
Aluminum	100%			2040	**	5	\$1,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Windows Cannot Be Unlocked - Missing Key (?)</i>								
Parapets								
Masonry: Brick	80%	Now	\$38,100	LIFE	**	5	\$3,200	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Interior Face</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Interior Face</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	20%			LIFE	**	5	\$1,000	
Roof								
Roll Roofing	100%	0-2	\$4,300	2020	\$86,800	5	\$17,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Lieutenant Office</i>								
Interior								
Floors								
Cast in Place Concrete	70%			LIFE	**	5	\$18,800	
Ceramic Tile	5%			2033	**	5	\$600	
Vinyl Tile	25%			2029	\$26,600	3	\$1,500	
Interior Walls								
Ceramic Tile	5%			2033	**	5	\$1,300	
Concrete Masonry Unit	30%			LIFE	**	5	\$3,100	
Gypsum Board	65%			LIFE	**	5	\$10,200	
Ceilings								
AcousTileSusp.Lay-In	30%			2037	**	5	\$3,700	
Exposed Struc: Steel	60%			LIFE	**			
Plaster	10%			LIFE	**	5	\$800	
Site Enclosure								
Fence/Gates								
Chain Link	53%			2044	**			
Iron Picket	47%			2059	**			
Site Pavements								
Public Sidewalk								
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 32 EMS - BROOKLYN HEIGHTS/RED HOOK**  
**Asset # : 13875**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2037	**			
Parking/Driveway								
Asphalt	95%	Now	\$62,000	2037	**			
		<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>						
		<i>Location : Parking Lot</i>						
		<i>Ponding, Extent : Moderate, Area Affected : 30%</i>						
		<i>Location : Parking Lot</i>						
		<i>Potholes, Extent : Severe, Area Affected : 20%</i>						
		<i>Location : Parking Lot</i>						
Cast in Place Concrete	5%			2037	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050	**	5		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : One 400 Ampere Main Disconnect Switch</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2050	**	5	\$200	
Raceway								
Conduit	100%			2050	**	1		
Panelboards								
Fused Disc Sw	5%			2046	**	5		
Molded Case Bkrs	95%			2046	**	5	\$200	
Wiring								
Thermoplastic	100%			2050	**	1		
Motor Controllers								
Locally Mounted	100%			2041	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2041	**	1	\$2,500	
Generators								
Diesel	100%			2037	**	1	\$3,200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Generator Room - Outside</i>						
		<i>Explanation : One 180 Kilowatt</i>						
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$300	

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

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
Fuel Storage Day Tank	50%			2046	**	5	\$800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room - Outside</i>								
<i>Explanation : One 150 Gallon</i>								
Main Tank	50%			2059	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : One 2500 Gallon</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	100%			2032	**	10	\$7,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting								
Emergency, Service	60%			2032	**	1		
Exit, Service	40%			2032	**	1		
Exterior Lighting								
HID	50%			2032	**	10		
Incandescent	50%			2032	**	2		
<b>Alarm</b>								
Fire/Smoke Detection								
Generic	100%			2032	**	1-3	\$5,200	
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2044	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2037	**	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%			2040	**	4	\$600	
Terminal Devices								
Convactor/Radiator	50%			2037	**	1	\$1,300	
Fan Coil Unit/Heat	50%			2029	\$58,700	1	\$1,300	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2040	**	1		

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%			2029	\$98,100	2	\$500	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2 Units On The Roof</i>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$10,700	
Ventilation								
Exhaust Fans								
Roof	100%			2032	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	**	1		
Water Heater								
Gas Fired	100%			2022	\$4,800	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hot Water Heater Room</i>								
<i>Explanation : 1 - 70 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$2,900	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bathrooms When It Rains</i>								
Storm Drain Piping								
Cast Iron	100%	Now	\$800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Yard When It Rains</i>								
Backflow Preventer								
Generic	100%			2029	\$2,000	1	\$500	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	90%							
Generic	10%			2022	\$2,700	1-3	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

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Estimates are rounded to the nearest hundred dollars.

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

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

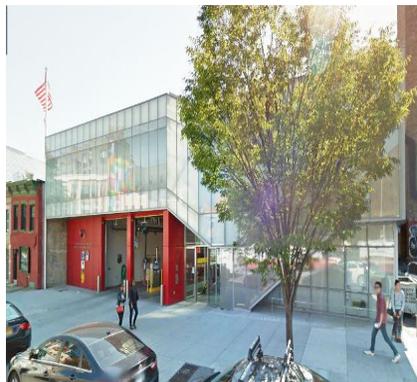
Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 29-Jan-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 2368 **Lot** : 12 **BIN** : 3391565

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$58,000	
<b>Total</b>	<b>\$58,000</b>	
Importance Code A	\$58,000	
<b>Total</b>	<b>\$58,000</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$1,000		\$7,700	\$4,900
Interior Architecture				\$3,400
Electrical	\$900	\$1,300	\$900	\$900
Mechanical	\$1,900	\$1,200	\$2,400	\$1,500
<b>Total</b>	<b>\$3,800</b>	<b>\$2,500</b>	<b>\$11,000</b>	<b>\$10,700</b>
Importance Code A	\$1,600	\$500	\$8,300	\$5,400
Importance Code B	\$2,300	\$2,000	\$2,800	\$5,300
Importance Code C				
<b>Total</b>	<b>\$3,800</b>	<b>\$2,500</b>	<b>\$11,000</b>	<b>\$10,700</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**  
**EMS STATION 35**  
**Asset # : 14770**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	12%			LIFE	**	5	\$1,800	
Metal/Glass Curt Wall	32%			LIFE	**	5	\$14,500	
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Central Stair And Breezeway - Main Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Perimeter Gaskets - Main Facade</i>								
Metal Panel	48%			2052	**	5-10	\$79,800	
Metal Sect. OHD	8%			2043	**	5	\$6,000	
Windows								
Aluminum	15%			2048	**	5	\$200	
No Component	85%							
Parapets								
Concrete Masonry Unit	45%			LIFE	**	5	\$1,300	
Metal/Glass Curt Wall	15%			2052	**	5	\$1,500	
Metal Panel	25%	Now	\$1,000	2052	**	5	\$1,300	
<i>Miss/Damaged Copings, Extent : Severe, Area Affected : 8%</i>								
<i>Location : Street Facade</i>								
<i>Other Observation, Extent : Severe, Area Affected : 8%</i>								
<i>Location : Street Facade At Pedestrian Entrance</i>								
<i>Explanation : Water Cascading From Coping Above And Then Freezing Causes Icicles To Drop Onto Sidewalk</i>								
Metal: Cage/Fence	15%			2043	**	5-10	\$3,100	
Roof								
IRMA/Protected Membrane	60%			2034	**	10	\$9,600	
Plaza Roof: Stone Panels	15%			2052	**			
Skylight, Metal/Glass	13%			2052	**	10	\$7,000	
Sloped Glazing	12%			LIFE	**	5	\$25,700	
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	**	5	\$22,600	
Ceramic Tile	3%			2039	**	5	\$500	
Sheet Vinyl/Rubber	32%			2034	**	5	\$7,600	
Interior Walls								
Cast in Place Concrete	15%			LIFE	**			
Ceramic Tile	2%			2039	**	5	\$900	
Concrete Masonry Unit	40%			LIFE	**	5	\$7,000	
Concrete Masonry Unit	15%			LIFE	**	5	\$2,600	
Glass: Single Pane	10%			LIFE	**	5	\$3,300	
Gypsum Board	15%			LIFE	**	5	\$3,900	
Metal Panel	3%			LIFE	**			

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

**FIRE DEPARTMENT - 057**  
**EMS STATION 35**  
**Asset # : 14770**

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

## Interior

## Ceilings

AcousTile,Adhered	20%			2043	**	5	\$3,100	
AcousTileSusp.Lay-In	25%			2043	**	5	\$3,800	
Exposed Concrete	20%			LIFE	**	5	\$500	
Gypsum Board	10%			LIFE	**	5	\$1,900	
Metal Panel	25%			LIFE	**	5	\$4,800	

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

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2056	**	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Electrical Room*

*Explanation : One 600 Ampere Main Disconnect Switch*

## Switchgear / Switchboard

Fused Disc Sw	100%			2056	**	5		
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## Raceway

Conduit	100%			2056	**	1		
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## Panelboards

Fused Disc Sw	5%			2051	**	5		
Molded Case Bkrs	95%			2051	**	5	\$300	

## Wiring

Thermoplastic	100%			2056	**	1		
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## Motor Controllers

Locally Mounted	100%			2046	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : 1st Floor Hallway*

*Explanation : Motor Controllers Connected To Energy Management Control Corp. Under Building Management System (BMS)*

## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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## Lighting

## Interior Lighting

Fluorescent	90%			2036	**	10	\$8,800	
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*T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%*

*Location : Throughout The Building*

Fluorescent	10%			2036	**	10	\$1,000	
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*Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%*

*Location : Throughout The Building*

## Egress Lighting

Emergency, Battery	50%			2036	**	10	\$1,300	
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Exit, Service	50%			2036	**	1		
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**FIRE DEPARTMENT - 057**  
**EMS STATION 35**  
**Asset # : 14770**

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

## Lighting

Exterior Lighting								
Fluorescent	40%			2036	**	10	\$400	
HID	60%			2036	**	10		

## Alarm

Security System								
No Component	30%							
Generic	70%			2036	**	1	\$2,800	
Fire/Smoke Detection								
Generic, Digital	100%			2036	**	1-3	\$6,500	

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

## Heating

Energy Source								
Natural Gas	100%			2056	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2046	**	1	\$5,200	
			<i>Recent Installation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1 Unit In The Basement</i>					
Distribution								
Hot Wtr Piping/Pump	100%			2051	**	4	\$500	
Terminal Devices								
Air Handler	60%			2036	**	1	\$3,900	
Fan Coil Unit/Heat	20%			2036	**	1	\$700	
Unit Heater - Steam	20%			2036	**	4	\$300	

## Air Conditioning

Energy Source								
Electricity	100%			2051	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	75%			2036	**	2	\$500	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : On The Roof</i>					
			<i>Explanation : Two Units</i>					
No Component	25%							

## Ventilation

Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,900	
Exhaust Fans								
Interior	10%			2036	**	2		
Roof	90%			2036	**	2	\$300	

## Plumbing

H/C Water Piping								
Brass/Copper	100%			2056	**	1		

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**FIRE DEPARTMENT - 057**  
**EMS STATION 35**  
**Asset # : 14770**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Water Heater							
	Gas Fired	100%			2026	\$6,200	2	\$200
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sewage Ejector(s)							
	Electric	100%			2036	**	4	\$600
	Backflow Preventer							
	Generic	100%			2036	**	1	\$700
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Sprinkler							
	No Component	10%						
	Generic	90%			2056	**	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 22-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1  
**Block** : 4829 **Lot** : 1 **BIN** : 3327722

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$70,600	
Electrical		\$63,200
Mechanical		\$122,100
<b>Total</b>	<b>\$70,600</b>	<b>\$185,300</b>
Importance Code A	\$70,600	\$50,600
Importance Code B		\$134,700
<b>Total</b>	<b>\$70,600</b>	<b>\$185,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$900			\$14,000
Interior Architecture	\$300		\$1,800	\$800
Electrical	\$700	\$500	\$500	\$600
Mechanical	\$200	\$600	\$6,600	\$600
<b>Total</b>	<b>\$2,100</b>	<b>\$1,100</b>	<b>\$8,900</b>	<b>\$15,900</b>
Importance Code A	\$1,000	\$400	\$100	\$14,400
Importance Code B	\$1,000	\$700	\$8,700	\$1,300
Importance Code C				\$300
<b>Total</b>	<b>\$2,100</b>	<b>\$1,100</b>	<b>\$8,900</b>	<b>\$15,900</b>



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 38 WINGATE STATION**  
**Asset # : 13720**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Concrete Masonry Unit	30%			LIFE	**	5	\$3,000	
Masonry: Brick	60%			LIFE	**	5	\$9,600	
Metal Panel	10%	0-2	\$600	2044	**	5	\$3,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Windows</b>								
Aluminum	100%			2040	**	5	\$600	
<b>Parapets</b>								
Concrete Masonry Unit	20%			LIFE	**	5	\$400	
Masonry: Brick	80%			LIFE	**	5	\$1,300	
<b>Roof</b>								
Roll Roofing	100%			2023	\$70,600	5	\$27,900	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	70%			LIFE	**	5	\$13,700	
Ceramic Tile	5%			2033	**	5	\$400	
Vinyl Tile	25%			2029	\$19,400	3	\$1,100	
<b>Interior Walls</b>								
Ceramic Tile	5%			2033	**	5	\$500	
Concrete Masonry Unit	50%			LIFE	**	5	\$2,100	
Gypsum Board	40%			LIFE	**	5	\$2,600	
Masonry: Brick	5%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	40%			2037	**	5	\$3,600	
Exposed Struc: Steel	60%			LIFE	**			
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Iron Picket	50%			2059	**			
Iron Picket	50%			2059	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2037	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2037	**			
<b>Parking/Driveway</b>								
Asphalt	100%			2033	**			

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

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**  
**EMS STATION 38 WINGATE STATION**  
**Asset # : 13720**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Switchgear / Switchboard Molded Case Bkrs	100%			2044	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 1- 400 Amperes Main Breaker Part Of Unit</i>								
Raceway Conduit	100%			2044	**	1		
Panelboards Molded Case Bkrs	100%			2040	**	5	\$200	
Wiring Thermoplastic	100%			2044	**	1		
Motor Controllers Locally Mounted	90%			2037	**	5		
Motor Control Center	10%			2037	**	5		
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : Ground Connection</i>								
<b>Stand-by Power</b>								
Transfer Switches Automatic	100%			2037	**	1	\$1,800	
Generators Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Outside Parking lot</i>								
<i>Explanation : Generator Not Connected - Door Locked, No Key On Premises</i>								
Batteries Not Accessible	100%							
Fuel Storage Main Tank	100%			2039	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Parking Lot</i>								
<i>Explanation : 75 Gallons</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	95%			2029	\$15,700	10	\$5,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Fixtures In Use</i>								
HID	5%			2029	\$300	10		
Egress Lighting Exit, Service	100%			2029	\$700	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fixtures Connected To Building Main Power Supply</i>								

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

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

## Lighting

Exterior Lighting

HID

100%

2024

\$23,000

10

## Alarm

Fire/Smoke Detection

Generic

100%

2029

\$63,200

1-3

\$3,800

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

## Heating

Energy Source

Natural Gas

100%

2044

\* \*

1

Conversion Equipment

Furnace

50%

2029

\$6,700

1

\$1,500

*Other Observation, Extent : Light, Area Affected : 50%**Location : Roof**Explanation : (1) Gas Fired Packaged Roof Top Unit*

Radiant Heater

50%

2029

\$50,600

2

\$1,400

*Other Observation, Extent : Light, Area Affected : 50%**Location : Garage Ceiling**Explanation : (4) Gas Fired Space Heaters*

Distribution

Ductwork/Diffusers

100%

LIFE

\* \*

2-5

\$3,300

## Air Conditioning

Energy Source

Electricity

100%

2046

\* \*

1

Conversion Equipment

Ext Pkg Unit -

Heating/Cooling

100%

2029

\$71,500

2

\$400

Distribution

Ductwork/Diffusers

100%

LIFE

\* \*

2

\$7,800

## Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

\* \*

2-5

\$3,300

Exhaust Fans

Roof

100%

2029

\$9,500

2

\$200

## Plumbing

H/C Water Piping

Brass/Copper

100%

2050

\* \*

1

Water Heater

Gas Fired

100%

2022

\$3,500

2

\$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Utility Closet**Explanation : 1 - 80 Gallon Unit*

Sanitary Piping

Cast Iron

100%

LIFE

\* \*

1

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component</b>	<b>% of</b>	<b>Fail Date</b>	<b>Estimated Cost</b>	<b>Year</b>	<b>Estimated Cost</b>	<b>Cycle</b>	<b>Estimated Cost</b>
<b>Type</b>		<b>Total</b>	<b>(Years)</b>		<b>FY</b>		<b>(Yrs)</b>	
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	Generic	100%			2029	\$1,500	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS STATION 39 PENNSYLVANIA STATION  
**Address** : 265 PENNSYLVANIA AVE. BTWN PITKIN AVE - BELMONT AVE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSEMS.039 / 13997 **Yr Built/Renovated** :  
**Area Sq Ft** : 10,000 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 17-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1  
**Block** : 3738 **Lot** : 7 **BIN** : 3048341

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$748,500	
Interior Architecture	\$439,000	
Electrical	\$38,500	\$102,600
<b>Total</b>	<b>\$1,226,000</b>	<b>\$102,600</b>
Importance Code A	\$748,500	
Importance Code B	\$284,000	\$102,600
Importance Code C	\$193,500	
<b>Total</b>	<b>\$1,226,000</b>	<b>\$102,600</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$16,800			
Interior Architecture	\$90,000			\$400
Electrical	\$12,100	\$700	\$1,700	\$27,800
Mechanical	\$6,800	\$600	\$800	\$22,100
Site Pavements	\$3,300			
<b>Total</b>	<b>\$129,100</b>	<b>\$1,300</b>	<b>\$2,600</b>	<b>\$50,300</b>
Importance Code A	\$17,300	\$500	\$500	\$500
Importance Code B	\$49,700	\$800	\$2,100	\$49,800
Importance Code C	\$62,000			
<b>Total</b>	<b>\$129,100</b>	<b>\$1,300</b>	<b>\$2,600</b>	<b>\$50,300</b>



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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 39 PENNSYLVANIA STATION**  
**Asset # : 13997**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	2%	Now	\$400	LIFE	**	5	\$1,800	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Base Of Building - Street Facade</i>								
Cast Stone/Terra Cotta	3%			LIFE	**	5	\$4,100	
Masonry: Brick	38%	0-2	\$4,100	LIFE	**	5	\$6,700	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
Masonry: Brick	52%	Now	\$84,400	LIFE	**	5	\$9,100	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Rear Walls And Rear Corners - Tree Roots Encroaching From Adjoining Lot</i>								
<i>Repointing Failure, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Side And Rear Walls</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Side And Rear Walls</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Side And Rear Walls</i>								
Metal Sect. OHD	5%	0-2	\$2,800	2041	**	5	\$1,400	
<i>Deformed/Dented, Extent : Light, Area Affected : 15%</i>								
<i>Location : Side Wall Of Overhead Door</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Jamb - Metal Door</i>								
Windows								
Glass Block	100%			LIFE	**	5	\$2,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Street Facade</i>								
<i>Explanation : Most Wall Penetrations Have Been Brick Over. Glass Block Covers Less Than 2% Of Facade.</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**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
<b>Exterior</b>								
<b>Parapets</b>								
Cast Stone/Terra Cotta	5%	Now	\$13,300	LIFE	**	5	\$800	
<i>Crazing, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Coping</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Coping</i>								
Cast Stone/Terra Cotta	2%			LIFE	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Street Facade</i>								
<i>Explanation : Decorative Element</i>								
Masonry: Brick	30%	Now	\$36,400	LIFE	**	5	\$600	1
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Rear And Side Parapet Walls</i>								
<i>Spalling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Rear And Side Parapet Walls</i>								
Masonry: Brick	25%	4+	\$1,500	LIFE	**	5	\$500	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Street Facade</i>								
Metal: Cage/Fence	35%	Now	\$300	2041	**	5	\$2,300	
<i>Loose/Miss Fasteners, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Anchor Plates - Exterior Parapet Wall</i>								
Pre-Cast Concrete	3%			LIFE	**	5	\$400	
<b>Roof</b>								
Modified Bitumen	90%	Now	\$281,500	2038	**			1
<i>Blisters, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout Roof</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Improper Termination Of Roof Material With No Flashing - Perimeter Walls</i>								
<i>Seams Open/Split, Extent : Severe, Area Affected : 25%</i>								
<i>Location : At All Improperly Patched Areas.</i>								
Skylight, Metal/Glass	10%	Now	\$340,600	2058	**			1
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Mullions Corroded Throughout Both Lights</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : At Curbs Of Both Lights</i>								
<b>Interior</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**  
**EMS STATION 39 PENNSYLVANIA STATION**  
**Asset # : 13997**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	80%	0-2	\$148,100	LIFE	**	5	\$30,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : At Trench Drain</i>								
<i>Drains Inad/Misposn, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Floor Improperly Pitched To Drains - Water Runs Into Locker Rooms</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Apparatus Floor - At All Joints, Apron, Floor Drains And Thresholds</i>								
Vinyl Tile	20%	0-2	\$12,100	2028	\$30,300	3	\$1,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Thresholds</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Corridors And Locker Rooms</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Locker Rooms And Kitchen Pantry</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$32,600	2043	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Toilet Rooms / Locker Rooms</i>								
Concrete Masonry Unit	10%	0-2	\$10,500	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Gypsum Board	5%	Now	\$1,500	LIFE	**	5	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Base Of Walls Throughout</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	70%	0-2	\$193,500	LIFE	**			
<i>Diagonal Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Apparatus Walls, Storage Area In Rear Of Building</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Base Of Rear Wall In Storage Area</i>								
Masonry: Fieldstone	5%	2-4	\$8,000	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement / Crawl Space Area</i>								
<i>Explanation : Joint Erosion</i>								
Plaster	5%	Now	\$9,500	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Bathroom Areas / At Showers</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Bathroom Areas / At Showers</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**  
**EMS STATION 39 PENNSYLVANIA STATION**  
**Asset # : 13997**

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

## Interior

## Ceilings

AcousTileConcealSpLn	10%	0-2	\$14,400	2048	**	5	\$1,100	
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*Cracking/Crumbling, Extent : Severe, Area Affected : 50%**Location : Throughout**Misaligned/Bulging, Extent : Severe, Area Affected : 20%**Location : Bathrooms / Locker Rooms**Water Penetration, Extent : Moderate, Area Affected : 20%**Location : Bathrooms / Locker Rooms*

AcousTileSusp.Lay-In	5%	0-2	\$1,400	2033	**	5	\$400	
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*Staining/Discoloring, Extent : Moderate, Area Affected : 15%**Location : Offices*

Exposed Concrete	85%	0-2	\$97,300	LIFE	**	5	\$2,300	
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*Spalling, Extent : Moderate, Area Affected : 20%**Location : At Roof Penetrations Throughout Apparatus Floor**Worn/Eroded, Extent : Moderate, Area Affected : 15%**Location : Various Locations Throughout*

## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%	4+	\$3,300	2033	**			
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*Other Observation, Extent : Moderate, Area Affected : 30%**Location : At Apron Leading To Apparatus Floor**Explanation : Stained/ Discolored*

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

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2028	\$4,900	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : Two 200 Amperes Main Disconnect Switch*

## Raceway

Conduit	95%			2028	\$30,400	1		
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Conduit	5%			2048	**	1		
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## Panelboards

Fused Disc Sw	5%			2027	\$2,000	5		
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Molded Case Bkrs	90%			2027	\$35,400	5	\$200	
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Molded Case Bkrs	5%			2044	**	5		
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## Wiring

Thermoplastic	95%			2028	\$26,900	1		
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Thermoplastic	5%			2048	**	1		
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## Motor Controllers

Locally Mounted	100%			2026	\$14,700	5	\$100	
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## Ground

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

Estimates are rounded to the nearest hundred dollars.

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

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%	Now	\$9,700	LIFE	**	5	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Water Main Basement</i>								
<i>Explanation : Corroded</i>								
<b>Stand-by Power</b>								
Transfer Switches Automatic	100%			2026	\$4,900	1	\$3,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Automatic Transfer Switches</i>								
Generators Diesel	100%			2024	\$67,200	1	\$3,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room, Garage</i>								
<i>Explanation : One 81 Kva</i>								
Batteries Lead/Acid	100%			2020	\$1,500	5	\$400	
Fuel Storage Day Tank	100%			2027	\$700	5	\$1,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room, Garage</i>								
<i>Explanation : One 60 Gallons</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	50%			2033	**	10	\$4,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage And Supply Room</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	50%			2023	\$13,800	10	\$4,600	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Office, Locker Room, Bathroom And Hallway</i>								
Egress Lighting Emergency, Service	40%			2023	\$2,000	1		
Emergency, Service	10%			2033	**	1		
Emergency, Battery	10%			2023	\$1,400	10	\$200	
Exit, Service	40%			2023	\$500	1		
Exterior Lighting HID	100%			2023	\$38,500	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2038	**	1		

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Furnace	20%			2036	**	1	\$1,000	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Storage Room</i>								
<i>Explanation : 1 Unit</i>								
Furnace	60%			2028	\$13,500	1	\$3,000	
<i>Other Observation, Extent : Light, Area Affected : 60%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 3 Units</i>								
Hot Water Boiler	20%			2033	**	1	\$1,000	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	20%			2027	\$3,000	4	\$100	
No Component	80%							
Terminal Devices								
Convactor/Radiator	20%			2026	\$10,200	1	\$700	
No Component	80%							
Air Conditioning								
Energy Source								
Electricity	100%			2036	**	1		
Conversion Equipment								
Split Unit	10%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Womens Locker Room</i>								
<i>Explanation : 1 Unit. R-410a</i>								
Window/Wall Unit	20%			2023	\$4,000	1		
No Component	70%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2036	**	1	\$300	
No Component	90%							
Heat Rejection								
Evaporative Condenser	10%			2036	**	2	\$700	
No Component	90%							
Ventilation								
Exhaust Fans								
Roof	100%	Now	\$1,600	2023	\$15,900	2	\$200	
<i>Not in Service, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 1 Unit, Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage Ceiling</i>								
<i>Explanation : 2 Units</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	**	1		

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Plumbing</b>								
Water Heater Gas Fired	100%			2026	\$5,800	2	\$100	
Sanitary Piping Cast Iron	100%	Now	\$3,500	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Garage Sewage Drain Line</i>								
Storm Drain Piping Cast Iron	100%	Now	\$1,000	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Office Area</i>								
Sump Pump(s) Non-Submersible	100%			2023	\$1,500	4	\$200	
Fixtures Generic	100%							
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS STATION 4 LOWER EAST SIDE OP  
**Address** : PIER 36 EAST RIVER  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSEMS.004 / 13982 **Yr Built/Renovated** : 1984 / 1999  
**Area Sq Ft** : 20,040 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 14-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,3  
**Block** : 241 **Lot** : 13 **BIN** : 1811158

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$284,400	\$106,100
Interior Architecture	\$133,300	
Electrical		\$280,800
Mechanical		\$46,500
Site Pavements	\$58,000	
<b>Total</b>	<b>\$475,700</b>	<b>\$433,400</b>
Importance Code A	\$284,400	\$106,100
Importance Code B	\$73,800	\$327,300
Importance Code C	\$117,500	
<b>Total</b>	<b>\$475,700</b>	<b>\$433,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$40,700	\$700		
Interior Architecture	\$57,300			\$2,000
Electrical	\$3,300	\$3,400	\$5,600	\$23,000
Mechanical	\$11,400	\$2,700	\$5,800	\$29,000
Site Enclosure	\$29,800			
<b>Total</b>	<b>\$142,500</b>	<b>\$6,800</b>	<b>\$11,400</b>	<b>\$54,000</b>
Importance Code A	\$41,800	\$1,600	\$1,100	\$900
Importance Code B	\$70,100	\$5,200	\$10,300	\$53,100
Importance Code C	\$30,700			
<b>Total</b>	<b>\$142,500</b>	<b>\$6,800</b>	<b>\$11,400</b>	<b>\$54,000</b>



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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	5%	Now	\$700	LIFE	**	5	\$2,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : West Side At Roof Level</i>								
Masonry: Brick	73%	0-2	\$25,500	LIFE	**	5	\$8,300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : North Facade</i>								
Metal Panel	2%	Now	\$200	2048	**	5	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : North Side</i>								
<i>Explanation : Damaged Metal Panels</i>								
Metal Coiling Doors	4%			2041	**	5	\$1,400	
Metal Coiling Doors	1%	Now	\$6,600	2048	**	5	\$200	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	15%			LIFE	**	5	\$5,500	
Windows								
Aluminum	100%	2-4	\$102,300	2053	**	5	\$1,200	
<i>Glazing Clouded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast in Place Concrete	98%	0-2	\$66,700	LIFE	**	5	\$106,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Panel	2%	0-2	\$1,600	2048	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Roof								
Built-Up (BUR)	95%	0-2	\$115,500	2033	**			
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 95%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North Drain</i>								
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : 3rd Floor Work Area</i>								
Roll Roofing	5%	0-2	\$6,200	2030	**	5	\$1,200	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

## 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 4 LOWER EAST SIDE OP**  
**Asset # : 13982**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	45%	0-2	\$28,500	LIFE	**	5	\$29,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Mezzanine Level</i>								
Ceramic Tile	2%	0-2	\$600	2037	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	53%	Now	\$27,400	2033	**	3	\$5,900	
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : First Floor Throughout</i>								
Interior Walls								
Ceramic Tile	2%	0-2	\$900	2037	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	86%	Now	\$59,500	LIFE	**	5	\$10,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : First Floor Truck Port</i>								
Gypsum Board	5%			LIFE	**	5	\$900	
Masonry: Brick	2%			LIFE	**			
Plaster	5%			LIFE	**	5	\$500	
Ceilings								
AcousTileSusp.Lay-In	60%	Now	\$73,800	2033	**	5	\$8,900	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor Office</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Third Floor Office</i>								
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Third Floor Work Area</i>								
<i>Explanation : Damaged Ceiling Tiles</i>								
Exposed Concrete	35%			LIFE	**	5	\$1,600	
Exposed Struc: Steel	5%			LIFE	**			
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$29,800	2038	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Northeast Corner</i>								
<i>Explanation : Structural Member Is Leaning At An Extreme Angle</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2041	**			
On-Site Walkways								
Cast in Place Concrete	100%			2041	**			

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

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

## Site Pavements

## Parking/Driveway

Asphalt

90% 0-2 \$58,000 2031 \*\*

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

Cast in Place Concrete

10% 2041 \*\*

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

## Under 600 Volts

## Service Equipment

Fused Disc Sw

100% 2048 \*\* 5 \$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : Main Service Switch Rated At 3000 Amperes.*

## Transformers

Dry Type

100% 2041 \*\* 5 \$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : 1000kva, 480/277/208 Volts*

## Switchgear / Switchboard

Fused Disc Sw

100% 2048 \*\* 5 \$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : 2- Vertical Sections*

## Raceway

Conduit

80% 2048 \*\* 1

Conduit

20% 2028 \$6,400 1

## Panelboards

Fused Disc Sw

2% 2027 \$800 5

Molded Case Bkrs

80% 2044 \*\* 5 \$400

Molded Case Bkrs

18% 2027 \$7,100 5 \$100

## Wiring

Thermoplastic

20% 2028 \$5,700 1

Thermoplastic

80% 2048 \*\* 1

## Motor Controllers

Locally Mounted

100% 2026 \$14,700 5 \$100

## Ground

## Grounding Devices

Generic

100% LIFE \*\* 5 \$300

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Boiler Room**Explanation : Connected To Metal Water Pipe*

## Stand-by Power

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

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2041	**	1	\$6,200	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st Floor Service Room</i>							
	<i>Explanation : Asco Type Switch, 200 A</i>							
<b>Generators</b>								
Diesel	100%			2037	**	1	\$7,800	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Outside</i>							
	<i>Explanation : 80 Kva</i>							
<b>Batteries</b>								
Lead/Acid	100%			2022	\$1,500	5	\$700	
<b>Fuel Storage</b>								
Day Tank	100%			2044	**	5	\$3,700	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Belly Tank / Outside</i>							
	<i>Explanation : 60 Gallons</i>							
<b>Lighting</b>								
Interior Lighting								
Fluorescent	90%			2033	**	10	\$16,500	
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
HID	10%			2028	\$2,000	10	\$100	
<b>Egress Lighting</b>								
Emergency, Battery	50%			2033	**	10	\$2,400	
Exit, Battery	50%			2033	**	10	\$700	
<b>Exterior Lighting</b>								
HID	100%			2033	**	10	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Outside/ Perimeter</i>							
	<i>Explanation : 16 Hid Light Fixtures</i>							
<b>Alarm</b>								
Security System								
Generic	100%			2028	\$61,900	1	\$7,500	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Outside</i>							
	<i>Explanation : 13 CCTV Surveillance Cameras</i>							
<b>Fire/Smoke Detection</b>								
Generic, Analog	100%			2028	\$211,800	1-3	\$12,400	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Hallways And Office</i>							
	<i>Explanation : Manual Pull Station, Strobe Lights, Horns</i>							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</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**  
**EMS STATION 4 LOWER EAST SIDE OP**  
**Asset # : 13982**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Heating</b>								
Energy Source								
Electricity	10%			2048	**	1		
Natural Gas	90%			2048	**	1		
Conversion Equipment								
Hot Water Boiler	90%			2045	**	1	\$8,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : One Unit</i>								
Radiant Heater	10%			2028	\$33,900	2	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor Men And Womens Locker Rooms</i>								
<i>Explanation : Trane Electric Cabinet Unit Heater</i>								
Distribution								
Hot Wtr Piping/Pump	100%	0-2	\$600	2044	**	4	\$1,000	
<i>Insul. Deteriorating, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Terminal Devices								
Convactor/Radiator	80%			2041	**	1	\$5,200	
Unit Heater - Steam	20%			2028	\$13,700	4	\$500	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Floor Ceiling</i>								
<i>Explanation : Good Condition</i>								
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2044	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2028	\$46,500	2	\$400	
Window/Wall Unit	60%	Now	\$4,800	2023	\$24,000	1		
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Office Area</i>								
No Component	10%							
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2	\$7,800	
No Component	70%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$6,700	
No Component	40%							
Exhaust Fans								
Roof	100%			2033	**	2	\$600	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%	Now	\$2,900	2048	**	1		
<i>Leak Evident, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Mens Locker Room</i>								

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

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Water Heater Gas Fired	100%			2028	\$11,700	2	\$300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Boiler Room</i>					
			<i>Explanation : 1 - 74 Gallon Unit</i>					
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Fixtures Generic	100%						
<b>Fire Suppression</b>								
	Standpipe Generic	100%			2054	**	1-5	\$10,100
	Sprinkler Generic	100%			2048	**	1-2	\$5,600
	Chemical System Dry	10%			2026	\$2,700	1-3	\$400
			<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Pcl-160</i>					
	No Component Generic	80%			2023	\$2,700	1-3	\$400
		10%						
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Fire Extinguishers</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 08-Apr-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 7239 **Lot** : 1 **BIN** : 3337274

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$130,400	\$181,500
Interior Architecture	\$100,400	
<b>Total</b>	<b>\$230,800</b>	<b>\$181,500</b>
Importance Code A	\$130,400	\$181,500
Importance Code C	\$100,400	
<b>Total</b>	<b>\$230,800</b>	<b>\$181,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$10,700			
Interior Architecture	\$5,800		\$400	\$500
Electrical				\$13,800
Mechanical	\$2,300	\$100	\$400	\$100
<b>Total</b>	<b>\$18,800</b>	<b>\$100</b>	<b>\$700</b>	<b>\$14,400</b>
Importance Code A	\$10,700			
Importance Code B	\$8,100	\$100	\$700	\$14,100
Importance Code C				\$300
<b>Total</b>	<b>\$18,800</b>	<b>\$100</b>	<b>\$700</b>	<b>\$14,400</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**  
**EMS STATION 43 GRAVESEND STATION**  
**Asset # : 14009**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$55,000	LIFE	**	5	\$17,800	
<i>Horizontal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Main Entrance</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Entire Facade</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Entrance</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Main Entrance</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Is Undergoing Construction / Repair - Not Currently In Operation</i>								
Metal Sect. OHD	20%			2029	\$142,200	5	\$13,900	
Windows								
Aluminum	100%	2-4	\$36,100	2049	**	5	\$400	
<i>Air Infiltration, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	100%	Now	\$10,700	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Roof								
Built-Up (BUR)	50%	0-2	\$39,400	2034	**			
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Flat Section</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Flat Section</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Flat Section</i>								
Modified Bitumen	50%			2024	\$39,400	10	\$2,800	
Interior								
Floors								
Cast in Place Concrete	90%	0-2	\$5,800	LIFE	**	5	\$11,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2033	**	5	\$300	
Vinyl Tile	5%			2029	\$2,600	3	\$200	

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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**

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

## Interior

## Interior Walls

Ceramic Tile	5%			2033	**	5	\$500	
Concrete Masonry Unit	15%			LIFE	**	5	\$600	
Gypsum Board	20%			LIFE	**	5	\$1,300	
Masonry: Brick	60%	Now	\$100,400	LIFE	**			

*Cracking/Crumbling, Extent : Severe, Area Affected : 40%*

*Location : Throughout*

*Misaligned/Bulging, Extent : Severe, Area Affected : 50%*

*Location : Throughout*

## Ceilings

AcousTileConcealSpLn	10%			2037	**	5	\$800	
AcousTileSusp.Lay-In	5%			2029		5	\$300	
Exposed Concrete	80%			LIFE	**	5	\$800	
Plaster	5%			LIFE	**	5	\$200	

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

*Location : Tour Lieutenant Office*

Electrical		Current Repair		Future 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	20%			2024		\$6,400	1	
Under Construction	80%							

*Other Observation, Extent : Light, Area Affected : 0%*

*Location : Throughout*

*Explanation : Electrical Systems Damaged By Super Storm Sandy*

## Panelboards

Fused Disc Sw	5%			2023		\$2,000	5	
Molded Case Bkrs	30%			2023		\$11,800	5	
Under Construction	65%							

## Wiring

Thermoplastic	20%			2024		\$5,700	1	
Under Construction	80%							

## Motor Controllers

Under Construction	100%							
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## Ground

## Grounding Devices

Under Construction	100%							
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## Lighting

## Interior Lighting

Fluorescent	20%			2024		\$2,300	10	\$800
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Offices*

*Explanation : T-8 Fixtures*

Under Construction	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.

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

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

**Lighting**

Egress Lighting  
Under Construction 100%

Exterior Lighting  
Under Construction 100%

**Alarm**

Security System  
Under Construction 100%

Fire/Smoke Detection  
Under Construction 100%

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

**Heating**

Energy Source  
Plant Campus Steam / PRV 100% 2034 \* \* 1

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

*Location : Power Plant*

*Explanation : Steam Provided From Adjacent Power Plant Building*

**Distribution**

Central Plant Steam Piping/Pmp 100% 2034 \* \* 4 \$200

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

*Location : Throughout*

*Explanation : Undergoing Construction At Time Of Survey - Mechanical Systems Damaged By Superstorm Sandy*

**Terminal Devices**

Air Handler 40% 2024 \$22,200 1 \$1,000

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

*Location : Throughout*

*Explanation : Undergoing Construction At Time Of Survey*

Convactor/Radiator 10% 2029 \$2,100 1 \$100

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

*Location : 1st Floor Offices*

*Explanation : Undergoing Construction At Time Of Survey*

Unit Heater - Steam 50% 2024 \$7,100 4 \$300

**Air Conditioning**

Energy Source  
Electricity 100% 2032 \* \* 1

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

*Estimates are rounded to the nearest hundred dollars.*

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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**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
Conversion Equipment								
	Exterior Pkg Unit - Cooling	25%			2024	\$8,000	2	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Undergoing Construction At Time Of Survey</i>								
	Window/Wall Unit	25%			2020	\$2,100	1	
	No Component	50%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	40%			LIFE	**	2-5	\$900
	No Component	60%						
<b>Plumbing</b>								
H/C Water Piping								
	Galvanized Steel	100%			2029	\$17,300	1	
Water Heater								
	Under Construction	100%						
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Undergoing Construction At Time Of Survey</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Undergoing Construction At Time Of Survey</i>								
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
Standpipe								
	Under Construction	100%						
Sprinkler								
	Under Construction	100%						
Fire Pump								
	Under Construction	100%						
Chemical System								
	Under Construction	100%						

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

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 18-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 1448 **Lot** : 40 **BIN** : 3038942

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$208,200
Interior Architecture		\$113,100
Electrical		\$67,200
Site Pavements		\$48,200
<b>Total</b>		<b>\$436,700</b>
Importance Code A		\$208,200
Importance Code B		\$142,800
Importance Code C		\$85,800
<b>Total</b>		<b>\$436,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$900		\$19,600	
Interior Architecture	\$4,900	\$500	\$900	
Electrical	\$2,200	\$600	\$700	\$600
Mechanical	\$38,300	\$600	\$700	\$4,300
Site Enclosure			\$3,400	
Site Pavements				
<b>Total</b>	<b>\$46,300</b>	<b>\$1,700</b>	<b>\$25,300</b>	<b>\$4,800</b>
Importance Code A	\$28,800	\$300	\$19,900	\$300
Importance Code B	\$17,500	\$1,400	\$1,300	\$4,500
Importance Code C			\$4,100	
<b>Total</b>	<b>\$46,300</b>	<b>\$1,700</b>	<b>\$25,300</b>	<b>\$4,800</b>



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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 44 BROWNSVILLE STATION**  
**Asset # : 13998**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
Exterior Walls								
Metal Sect. OHD	10%			2037	**	5	\$4,800	
Stucco Cement	90%			2037	**	5	\$34,400	
Windows								
Aluminum	100%			2040	**	5	\$1,800	
Roof								
Metal Panel	100%			2029	\$208,200	10	\$33,200	
<b>Interior</b>								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$10,300	
Ceramic Tile	5%			2027	\$9,300	5	\$500	
Vinyl Tile	45%			2024	\$36,700	3	\$1,600	
Interior Walls								
Ceramic Tile	10%			2027	\$37,500	5	\$1,300	
Concrete Masonry Unit	30%			LIFE	**	5	\$1,600	
Gypsum Board	60%			LIFE	**	5	\$4,800	
Ceilings								
AcousTileSusp.Lay-In	50%			2029	\$38,800	5	\$4,700	
Gypsum Board	50%	Now	\$4,900	LIFE	**	5	\$5,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<b>Site Enclosure</b>								
Fence/Gates								
Chain Link	90%			2034	**			
Wood	10%			2022	\$3,400			
<b>Site Pavements</b>								
On-Site Walkways								
Cast in Place Concrete	100%			2029	\$24,200			
Parking/Driveway								
Asphalt	85%			2027	\$48,200			
Cast in Place Concrete	15%			2029	\$13,900			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Molded Case Bkrs	100%			2034	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : No Nameplate Ratings Available</i>								
Raceway								
Conduit	100%			2034	**	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 44 BROWNSVILLE STATION**  
**Asset # : 13998**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	100%			2032	**	5	\$200	
Wiring								
Thermoplastic	100%			2034	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	\$4,900	1	\$2,500	
Generators								
Diesel	100%			2027	\$67,200	1	\$3,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : Emergency Generator Rated At 6.3 Kva</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$300	
Fuel Storage								
Main Tank	100%			2039	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : 60 Gallon Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	90%			2024	\$15,700	10	\$5,200	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	10%			2024	\$1,700	10	\$600	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Egress Lighting								
Emergency, Service	50%			2024	\$1,600	1		
Exit, Service	50%			2024	\$400	1		
Exterior Lighting								
HID	100%			2024	\$30,800	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2034	**	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 44 BROWNSVILLE STATION**  
**Asset # : 13998**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Furnace	40%			2029	\$5,700	1	\$1,200	
	<i>Other Observation, Extent : Light, Area Affected : 40%</i>							
	<i>Location : Truck Bay</i>							
	<i>Explanation : 3 Gas Fired Modine Heaters</i>							
Hot Water Boiler	60%	0-2	\$27,800	2044	**	1	\$1,700	
	<i>Corroded, Extent : Moderate, Area Affected : 2%</i>							
	<i>Location : 1st Floor Mechanical Room</i>							
	<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : 1st Floor Mechanical Room</i>							
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : 1st Floor Mechanical Room</i>							
	<i>Explanation : 2 Weil Mclain H W Boilers</i>							
Distribution								
Hot Wtr Piping/Pump	60%	0-2	\$300	2032	**	4	\$200	
	<i>Corroded, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : 1st Floor Mechanical Room</i>							
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : 1st Floor Mechanical Room</i>							
	<i>Explanation : 2 H W Pumps</i>							
No Component	40%							
Terminal Devices								
Convactor/Radiator	60%			2029	\$19,300	1	\$1,200	
No Component	40%							
Air Conditioning								
Energy Source								
Electricity	100%			2032	**	1		
Conversion Equipment								
Window/Wall Unit	60%			2020	\$7,500	1		
No Component	40%							
Ventilation								
Exhaust Fans								
Not Accessible	100%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2034	**	1		
Water Heater								
Gas Fired	100%			2023	\$3,700	2	\$100	
Sanitary Piping								
Cast Iron	100%	Now	\$2,200	LIFE	**	1		
	<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : Truck Bay Sewage Line</i>							
Backflow Preventer								
Generic	100%			2024	\$1,500	1	\$400	
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.

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Fire Suppression	Sprinkler							
	Generic	100%		2034	**	1-2	\$1,800	

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS STATION 45 WOODSIDE STATION  
**Address** : 58-65 52ND ROAD  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSEMS.045 / 14001 **Yr Built/Renovated** :  
**Area Sq Ft** : 8,000 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 01-Apr-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 2351 **Lot** : 23 **BIN** : 4054172

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$267,200	\$602,700
Electrical	\$19,700	
Mechanical		\$37,600
<b>Total</b>	<b>\$286,900</b>	<b>\$640,300</b>
Importance Code A	\$267,200	\$602,700
Importance Code B	\$19,700	\$37,600
<b>Total</b>	<b>\$286,900</b>	<b>\$640,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$1,400			
Interior Architecture	\$27,100		\$500	\$300
Electrical	\$35,100	\$600	\$8,000	\$2,600
Mechanical	\$4,700	\$500	\$6,400	\$500
<b>Total</b>	<b>\$68,300</b>	<b>\$1,100</b>	<b>\$14,900</b>	<b>\$3,400</b>
Importance Code A	\$1,700	\$300	\$300	\$300
Importance Code B	\$66,700	\$800	\$14,600	\$2,900
Importance Code C				\$100
<b>Total</b>	<b>\$68,300</b>	<b>\$1,100</b>	<b>\$14,900</b>	<b>\$3,400</b>



*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 45 WOODSIDE STATION**  
**Asset # : 14001**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Concrete Masonry Unit	10%			LIFE	**	5	\$1,000	
Masonry: Brick	10%			LIFE	**	5	\$1,500	
Metal Panel	2%			2034	**	5-10	\$2,100	
Stucco Cement	78%	Now	\$140,900	2029	\$352,200	5	\$14,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout, Corners</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<b>Windows</b>								
Aluminum	20%			2040	**	5	\$400	
Steel	80%	Now	\$76,200	2049	**	5	\$8,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<b>Parapets</b>								
Cast Stone/Terra Cotta	5%	Now	\$1,200	LIFE	**	5	\$700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping</i>								
<i>Open Joints, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Coping</i>								
Concrete Masonry Unit	95%			LIFE	**	5	\$2,000	
<b>Roof</b>								
Modified Bitumen	100%	Now	\$50,100	2024	\$250,500			
<i>Gut/DS Non Func/Miss, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Garage</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	85%	Now	\$25,500	LIFE	**	5	\$17,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Garage</i>								
<i>Drains Inad/Misposn, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Garage</i>								
Mosaic Tile	2%			2029	\$11,500	5	\$500	
Quarry Tile	3%			2029	\$8,300	5	\$400	
Vinyl Tile	10%	Now	\$1,600	2024	\$8,200	3	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Exercise Room</i>								

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**FIRE DEPARTMENT - 057**  
**EMS STATION 45 WOODSIDE STATION**  
**Asset # : 14001**

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

## Interior

## Interior Walls

Ceramic Tile	2%			2033	**	5	\$300	
Concrete Masonry Unit	80%			LIFE	**	5	\$4,300	
Gypsum Board	18%			LIFE	**	5	\$1,400	

## Ceilings

AcousTileSusp.Lay-In	10%			2037	**	5	\$900	
Exposed Struc: Steel	90%			LIFE	**			

*Water Penetration, Extent : Moderate, Area Affected : 10%*

*Location : Garage*

## Site Pavements

## Parking/Driveway

Asphalt	100%			2033	**			
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<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2024	\$4,900	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Garrage 1st Floor*

*Explanation : Two 400 Amperes Main Disconnect Switch*

## Switchgear / Switchboard

Fused Disc Sw	50%			2024	\$24,900	5		
Molded Case Bkrs	50%			2044	**	5	\$100	

## Raceway

Conduit	80%			2024	\$25,600	1		
Conduit	20%			2044	**	1		

## Panelboards

Fused Disc Sw	5%			2023	\$2,000	5		
Fused Disc Sw	5%			2040	**	5		
Molded Case Bkrs	40%			2040	**	5	\$100	
Molded Case Bkrs	50%			2023	\$19,700	5	\$100	

## Wiring

Thermoplastic	50%			2044	**	1		
Thermoplastic	50%			2024	\$14,200	1		

## Motor Controllers

Locally Mounted	50%			2037	**	5		
Locally Mounted	50%			2022	\$7,300	5		

## Ground

## Grounding Devices

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

## Transfer Switches

Automatic	100%			2037	**	1	\$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**  
**EMS STATION 45 WOODSIDE STATION**  
**Asset # : 14001**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
<b>Generators</b>								
Diesel	100%			2033	**	1	\$3,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 81 Kva</i>								
<b>Batteries</b>								
Lead/Acid	100%			2020	\$1,500	5	\$300	
<b>Fuel Storage</b>								
Main Tank	100%			2052	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 60 Gallons</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	50%			2029	\$8,700	10	\$2,900	
HID	20%			2029	\$1,300	10		
HID	30%			2020	\$1,900	10	\$100	
<b>Egress Lighting</b>								
Emergency, Service	50%			2029	\$1,600	1		
Emergency, Battery	5%			2029	\$400	10	\$100	
Exit, Service	45%			2029	\$300	1		
<b>Exterior Lighting</b>								
HID	50%			2020	\$15,400	10		
HID	50%			2020	\$15,400	10		
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	100%			2034	**	1		
<b>Conversion Equipment</b>								
Furnace	100%	Now	\$300	2029	\$14,200	1	\$2,800	
<i>Not in Service, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1 Motor Of Modine Heater</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Package Units Are On Roof, Modine Heaters Are In Garage</i>								
<i>Explanation : 5 Package Units And 4 Modine Unit Heaters</i>								
<b>Air Conditioning</b>								
<b>Energy Source</b>								
Electricity	100%			2032	**	1		

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**FIRE DEPARTMENT - 057**  
**EMS STATION 45 WOODSIDE STATION**  
**Asset # : 14001**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Air Conditioning</b>								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2029	\$37,600	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 5 Package Units Using R-22 Refrigerant</i>						
Window/Wall Unit	5%			2020	\$600	1		
No Component	45%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	100%	Now	\$1,100	LIFE	**	2-5	\$3,500	
		<i>Broken, Extent : Severe, Area Affected : 2%</i>						
		<i>Location : The Chimney For The Generator</i>						
Exhaust Fans								
Roof	50%			2029	\$5,000	2	\$100	
Wall Unit	50%			2024	\$1,100	2	\$100	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2044	**	1		
Water Heater								
Electric	100%			2022	\$5,300	4		
Sanitary Piping								
Cast Iron	100%	Now	\$900	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>						
		<i>Location : Garage Male And Female Toilet Rooms</i>						
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
Generic	100%			2020	\$1,500	1	\$400	
Fixtures								
Generic	100%							
<b>Fire Suppression</b>								
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.  
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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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS STATION 46 ELMHURST STATION  
**Address** : ELMHURST HOSPITAL 79-01 BROADWAY  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSEMS.046 / 14002 **Yr Built/Renovated** :  
**Area Sq Ft** : 11,000 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 22-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 1500 **Lot** : 2 **BIN** : 4437132

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Interior Architecture		\$40,900
Electrical		\$158,700
<b>Total</b>		<b>\$199,600</b>
Importance Code B		\$199,600
<b>Total</b>		<b>\$199,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture		\$1,100		
Interior Architecture		\$100	\$700	\$2,400
Electrical	\$1,000	\$1,200	\$1,200	\$9,100
Mechanical	\$4,400	\$15,800	\$800	\$5,900
<b>Total</b>	<b>\$5,400</b>	<b>\$18,100</b>	<b>\$2,700</b>	<b>\$17,400</b>
Importance Code A	\$200	\$1,200	\$200	\$200
Importance Code B	\$5,200	\$16,900	\$2,500	\$17,300
Importance Code C			\$100	
<b>Total</b>	<b>\$5,400</b>	<b>\$18,100</b>	<b>\$2,700</b>	<b>\$17,400</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**  
**EMS STATION 46 ELMHURST STATION**  
**Asset # : 14002**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	20%			LIFE	**	5	\$1,400	
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : North Side</i>								
<i>Explanation : One Floor/ Split Level, The North Section Of Building Is Attached To The Old Nurses Building Of Elmhurst Hospital.</i>								
Metal Sect. OHD	10%			2041	**	5	\$2,200	
No Component	70%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : One Floor/ Split Level, The North Section Of Building Is Attached To The Old Nurses Building Of Elmhurst Hospital.</i>								
<b>Parapets</b>								
No Component	75%							
Not Accessible	25%							
<b>Roof</b>								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Roof</i>								
<i>Explanation : There Is No Permanent Access To The Roof. A Ladder Was Not Available.</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	23%			LIFE	**	5	\$3,200	
Ceramic Tile	2%			2031	**	5	\$100	
Vinyl Tile	75%			2028	\$40,900	3	\$1,800	
<b>Interior Walls</b>								
Ceramic Tile	5%			2037	**	5	\$100	
Concrete Masonry Unit	15%			LIFE	**	5	\$200	
Gypsum Board	40%			LIFE	**	5	\$700	
Masonry: Brick	5%			LIFE	**			
Plaster	25%			LIFE	**	5	\$200	
SGFT/Glazed Masonry	10%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	75%			2033	**	5	\$4,700	
Exposed Struc: Steel	20%			LIFE	**			
Gypsum Board	5%			LIFE	**	5	\$400	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Main Electrical Service Fed From The Other Building</i>								

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

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%			2036	**	5		
Molded Case Bkrs	95%			2036	**	5	\$300	
Wiring								
Thermoplastic	100%			2038	**	1		
Motor Controllers								
Locally Mounted	100%			2033	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	80%			2033	**	10	\$8,100	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Offices</i>						
HID	20%			2028	\$2,200	10	\$100	
Egress Lighting								
Emergency, Service	50%			2033	**	1		
Exit, Service	50%			2033	**	1		
Exterior Lighting								
HID	100%			2028	\$42,400	10		
Alarm								
Security System								
Generic	100%			2028	\$34,000	1	\$4,100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : CCTV Surveillance Cameras</i>						
Fire/Smoke Detection								
Generic, Digital	100%			2028	\$116,300	1-3	\$6,800	
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	30%			2038	**	1		
No Component	70%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Hot Water Provided From Hospital</i>						
Conversion Equipment								
Furnace	30%			2028	\$7,400	1	\$1,600	
		<i>Other Observation, Extent : Light, Area Affected : 30%</i>						
		<i>Location : Apparatus Floor</i>						
		<i>Explanation : 2 Modine Heaters</i>						
No Component	70%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Heating Water Supplied From Hospital Building</i>						

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
Distribution								
	Hot Wtr Piping/Pump	70%			2027	\$3,400	4	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : There Is No Temperature Control</i>								
	No Component	30%						
Terminal Devices								
	Convactor/Radiator	70%			2026	\$11,800	1	\$2,500
	No Component	30%						
<b>Air Conditioning</b>								
Energy Source								
	Electricity	100%			2036	**	1	
Conversion Equipment								
	Window/Wall Unit	70%			2021	\$15,300	1	
	No Component	30%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,800
	No Component	70%						
Exhaust Fans								
	Roof	30%			2023	\$5,200	2	\$100
	No Component	70%						
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%			2038	**	1	
Sanitary Piping								
	Cast Iron	100%	Now	\$3,800	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Water Backs Up On Apparatus Floor</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
<b>Fire Suppression</b>								
Sprinkler								
	No Component	70%						
	Generic	30%			2028	\$30,900	1-2	\$900

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

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS STATION 49 ASTORIA STATION  
**Address** : WESTERN QUEENS HOSPITAL 25-10 30TH AVE.  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSEMS.049 / 14004 **Yr Built/Renovated** :  
**Area Sq Ft** : 2,793 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 29-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 576 **Lot** : 12 **BIN** : 4436864

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Electrical	\$39,400	
<b>Total</b>	<b>\$39,400</b>	
Importance Code B	\$39,400	
<b>Total</b>	<b>\$39,400</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture			\$500	
Interior Architecture	\$22,000			\$600
Electrical	\$21,100		\$14,700	
Mechanical	\$300	\$300	\$3,100	\$300
<b>Total</b>	<b>\$43,300</b>	<b>\$300</b>	<b>\$18,400</b>	<b>\$1,000</b>
Importance Code A			\$500	
Importance Code B	\$39,900	\$300	\$17,800	\$1,000
Importance Code C	\$3,500			
<b>Total</b>	<b>\$43,300</b>	<b>\$300</b>	<b>\$18,400</b>	<b>\$1,000</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**  
**EMS STATION 49 ASTORIA STATION**  
**Asset # : 14004**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Exterior								
Windows								
Aluminum	100%			2032	**	5	\$1,100	
Interior								
Floors								
Ceramic Tile	5%			2033	**	5	\$200	
Vinyl Tile	95%	0-2	\$13,500	2024	\$33,700	3	\$1,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Gypsum Board	100%	2-4	\$3,500	LIFE	**	5	\$4,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceilings								
Gypsum Board	100%	0-2	\$5,000	LIFE	**	5	\$6,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Raceway								
Conduit	100%			2024	\$32,000	1		
Panelboards								
Molded Case Bkrs	100%			2023	\$39,400	5	\$100	
Wiring								
Thermoplastic	100%			2024	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2022	\$14,700	5		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	100%			2020	\$7,700	10	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Space</i>								
<i>Explanation : T-8 Fixtures In Use</i>								
Egress Lighting								
Exit, Service	100%			2024	\$300	1		
Exterior Lighting								
HID	100%			2020	\$10,800	10		

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

**FIRE DEPARTMENT - 057**  
**EMS STATION 49 ASTORIA STATION**  
**Asset # : 14004**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
	Energy Source							
	Electricity	40%			2044	**	1	
	HTHW/HW	60%			2044	**	1	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Hot Water Provided From Adjacent Building</i>							
<hr/>								
	Conversion Equipment							
	No Component	40%						
	No Component	60%						
<hr/>								
	Distribution							
	Hot Wtr Piping/Pump	60%			2040	**	4	\$100
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Only H W Piping Is Covered</i>							
<hr/>								
	No Component	40%						
<hr/>								
	Terminal Devices							
	Convactor/Radiator	60%			2037	**	1	\$500
	No Component	40%						
<hr/>								
<b>Air Conditioning</b>								
	Energy Source							
	Electricity	100%			2046	**	1	
<hr/>								
	Terminal Devices							
	Fan Coil - 2 Pipe	40%			2029	\$20,300	1	\$400
	No Component	60%						
<hr/>								
	Heat Rejection							
	Air Cooled Condenser Unit	40%			2029	\$2,200	2	\$800
	No Component	60%						
<hr/>								
<b>Ventilation</b>								
	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$1,600
<hr/>								
	Exhaust Fans							
	Not Accessible	100%						
<hr/>								
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2044	**	1	
<hr/>								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
<hr/>								
	Fixtures							
	Generic	100%						
<hr/>								
<b>Fire Suppression</b>								
	Sprinkler							
	Generic	100%			2044	**	1-2	\$800
<hr/>								
	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.*

**FIRE DEPARTMENT - 057**  
**EMS STATION 49 ASTORIA STATION**

**Asset # : 14004**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Chemical System							
	No Component	90%						
	Generic	10%			2022	\$2,700	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 27-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 6858 **Lot** : 1 **BIN** : 4442431

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$37,000
<b>Total</b>		<b>\$37,000</b>
Importance Code A		\$37,000
<b>Total</b>		<b>\$37,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$6,400		\$200	
Interior Architecture	\$11,700			\$600
Electrical				
Mechanical	\$1,400		\$3,900	
<b>Total</b>	<b>\$19,600</b>		<b>\$4,200</b>	<b>\$600</b>
Importance Code A	\$6,600		\$400	
Importance Code B	\$13,000		\$3,700	\$600
<b>Total</b>	<b>\$19,600</b>		<b>\$4,200</b>	<b>\$600</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**  
**EMS STATION 50 - BLDG 2 TRAILER**  
**Asset # : 14005**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
Exterior Walls								
Metal Panel	100%	Now	\$6,400	2034	**	5	\$16,400	
			<i>Corrosion/Rusting, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Throughout</i>					
			<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					
Windows								
Aluminum	100%			2032	**	5	\$500	
Roof								
Asphalt Shingle	5%			2027		10	\$500	
Modified Bitumen	95%			2024		10	\$2,700	
<b>Interior</b>								
Floors								
Vinyl Tile	100%	2-4	\$11,700	2034	**	3	\$1,700	
			<i>Cracking/Crumbling, Extent : Light, Area Affected : 25%</i>					
			<i>Location : Hallway, Throughout</i>					
			<i>Loose Units, Extent : Moderate, Area Affected : 25%</i>					
			<i>Location : Throughout</i>					
Interior Walls								
Plywood/Hardboard	100%			LIFE	**			
Ceilings								
Gypsum Board	100%			LIFE	**	5	\$5,600	
<b>Site Pavements</b>								
Parking/Driveway								
Cast in Place Concrete	100%			2041	**			
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2044	**	5		
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : Main Service Switch Rated At 400 Amperes</i>					
Switchgear / Switchboard								
Molded Case Bkrs	100%			2044	**	5	\$100	
Raceway								
Conduit	100%			2044	**	1		
Panelboards								
Molded Case Bkrs	100%			2040	**	5	\$100	
Wiring								
Thermoplastic	100%			2044	**	1		
<b>Ground</b>								
Grounding Devices								
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**  
**EMS STATION 50 - BLDG 2 TRAILER**  
**Asset # : 14005**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	100%			2024	\$8,300	10	\$2,800	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting Emergency, Battery	50%			2024	\$2,100	10	\$400	
Exit, Service	50%			2024	\$200	1		
Exterior Lighting HID	100%			2024	\$11,600	10		
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source Electricity	100%			2034	**	1		
Conversion Equipment Heat Pump Air Sourced	100%			2022		2	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside End Of The Building</i>								
<i>Explanation : 5 Units</i>								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$1,700	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2032	**	1		
Distribution Ductwork/Diffusers	100%			LIFE	**	2	\$3,900	
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	100%			2034	**	1		
Water Heater Electric	100%	Now	\$1,300	2022	\$2,500	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 2 Units. The Unit For Male Restroom Is Out Of Order</i>								
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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS STATION 50 - BLDG. 1  
**Address** : 159-10 GOETHALS AVE  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSEMS.050 / 14934 **Yr Built/Renovated** : 2016 /  
**Area Sq Ft** : 13,000 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 06-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 6858 **Lot** : 1 **BIN** : 4866423

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$41,700	\$41,700
<b>Total</b>	<b>\$41,700</b>	<b>\$41,700</b>
Importance Code A	\$41,700	\$41,700
<b>Total</b>	<b>\$41,700</b>	<b>\$41,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$22,200	\$5,800	\$1,900	
Interior Architecture	\$109,600		\$9,200	
Electrical	\$1,800	\$1,300	\$1,300	\$1,300
Mechanical	\$13,700	\$1,600	\$7,300	\$1,600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$151,200</b>	<b>\$12,600</b>	<b>\$23,600</b>	<b>\$6,900</b>
Importance Code A	\$22,800	\$6,400	\$2,500	\$600
Importance Code B	\$103,000	\$6,100	\$18,400	\$6,200
Importance Code C	\$25,500		\$2,700	
<b>Total</b>	<b>\$151,200</b>	<b>\$12,600</b>	<b>\$23,600</b>	<b>\$6,900</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**  
**EMS STATION 50 - BLDG. 1**  
**Asset # : 14934**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	5%			LIFE	**	5	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Structural Glazed Face Tile</i>								
Metal Panel	5%			2055	**	5-10	\$11,800	
Metal Sect. OHD	10%			2046	**	5	\$10,700	
Pre-Cast Concrete	15%			LIFE	**	5	\$33,400	
Window Wall	65%			2055	**	5	\$83,500	
Windows								
Aluminum	75%			2051	**	5	\$900	
Metal Louvers	25%			2042	**	10	\$1,900	
Parapets								
Metal Panel	25%			2055	**	5	\$2,400	
No Component	75%							
Roof								
Single Ply Membrane	100%			2037	**	10	\$26,200	
<i>Drains Clogged, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Soffits								
Metal Panel	100%			2055	**	5-10		
Interior								
Floors								
Carpet	10%			2028	\$38,000	3	\$4,400	
Cast in Place Concrete	40%			LIFE	**	5	\$51,100	
Ceramic Tile	30%			2042	**	5	\$8,800	
Vinyl Tile	20%			2037	**	3	\$2,200	
Interior Walls								
Cast in Place Concrete	10%			LIFE	**	10	\$13,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Precast Concrete</i>								
Ceramic Tile	10%			2042	**	5	\$5,400	
Glass: Special Gauge	10%			LIFE	**	1		
Gypsum Board	30%	4+	\$1,400	LIFE	**	5	\$9,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen / Lunch Room</i>								
SGFT/Glazed Masonry	40%			LIFE	**	10	\$10,700	
Ceilings								
Exposed Struc: Steel	50%			LIFE	**	10	\$28,000	
Gypsum Board	50%			LIFE	**	5-10	\$48,100	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2055	**			

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Site Enclosure								
Free Standing Walls								
Cast in Place Concrete	100%			2073	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%			2046	**			
Parking/Driveway								
Asphalt	80%			2042	**			
Cast in Place Concrete	20%			2046	**			
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2059	**	5	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room Basement</i>						
		<i>Explanation : One 400 Ampere Main Disconnect Switch</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2059	**	5	\$100	
Raceway								
Conduit	100%			2059	**	1		
Panelboards								
Fused Disc Sw	5%			2054	**	5		
Molded Case Bkrs	95%			2054	**	5	\$300	
Wiring								
Thermoplastic	100%			2059	**	1		
Motor Controllers								
Locally Mounted	100%			2049	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$400	
Stand-by Power								
Transfer Switches								
Automatic	100%			2049	**	1	\$4,000	
Generators								
Diesel	100%			2044	**	1	\$5,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside The Building</i>						
		<i>Explanation : One 117.3 Kilowatt</i>						
Batteries								
Lead/Acid	100%			2024	\$1,500	5	\$500	

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power								
Fuel Storage								
Day Tank	30%			2054	**	5	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 79 Gallon</i>								
Main Tank	70%			2069	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : One 2500 Gallon</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2039	**	10	\$11,900	
Egress Lighting								
Emergency, Service	60%			2039	**	1		
Exit, LED	40%			2069	**	1		
Exterior Lighting								
LED	100%			2039	**			
Alarm								
Security System								
No Component	70%							
Generic	30%			2039	**	1	\$1,500	
Fire/Smoke Detection								
No Component	70%							
Generic, Digital	30%					1-3	\$2,500	
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2059	**	1		
Conversion Equipment								
Furnace	100%			2039	**	1	\$6,400	
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$11,500	
Terminal Devices								
Fan Coil Unit/Heat	20%			2039	**	1	\$800	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : First Floor Ceiling</i>								
<i>Explanation : 4 Units</i>								
No Component	80%							
Air Conditioning								
Energy Source								
Electricity	100%			2054	**	1		

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Air Conditioning	Conversion Equipment							
	Ext Pkg Unit - Heating/Cooling	100%			2039	**	2	\$800
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : 6 Units</i>					
	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2	\$21,100
Ventilation	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$11,500
	Exhaust Fans							
	Roof	100%			2039	**	2	\$400
Plumbing	H/C Water Piping							
	Brass/Copper	100%			2059	**	1	
	Water Heater							
	Gas Fired	100%			2029	\$7,600	2	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : First Floor</i>					
			<i>Explanation : 2 Units</i>					
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	Generic	100%			2039	**	1	\$800
	Fixtures							
	Generic	100%						
Vertical Transport	Elevators							
	Hydraulic	100%			LIFE	**		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement To 2nd Floor</i>					
			<i>Explanation : 1 Unit</i>					
Fire Suppression	Sprinkler							
	Generic	100%			2059	**	1-2	\$3,600

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 09-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 4975 **Lot** : 31 **BIN** : 4112309

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$59,100	\$118,200
Interior Architecture		\$54,500
<b>Total</b>	<b>\$59,100</b>	<b>\$172,700</b>
Importance Code A	\$59,100	\$118,200
Importance Code B		\$54,500
<b>Total</b>	<b>\$59,100</b>	<b>\$172,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$5,000	\$2,000	\$900	
Interior Architecture	\$41,000			\$800
Electrical	\$23,900	\$5,600		
Mechanical	\$1,200	\$12,900	\$800	\$800
Site Pavements	\$9,800			
<b>Total</b>	<b>\$80,800</b>	<b>\$20,500</b>	<b>\$1,800</b>	<b>\$1,600</b>
Importance Code A	\$5,600	\$2,600	\$1,500	\$600
Importance Code B	\$40,600	\$17,900	\$300	\$1,000
Importance Code C	\$34,600			
<b>Total</b>	<b>\$80,800</b>	<b>\$20,500</b>	<b>\$1,800</b>	<b>\$1,600</b>



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

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
<b>Exterior</b>									
<b>Exterior Walls</b>									
Masonry: Brick	85%			LIFE	**	5	\$21,400		
Masonry: Granite	5%			LIFE	**	5	\$900		
Masonry: Limestone	5%			LIFE	**	5	\$900		
Metal Sect. OHD	5%			2031	**	5	\$3,900		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Main Apparatus Door</i>									
<i>Explanation : Wood Sectional Door</i>									
<b>Windows</b>									
Aluminum	100%			2042	**	5	\$1,900		
<b>Parapets</b>									
Masonry: Brick	95%			LIFE	**	5	\$1,800		
Masonry: Limestone	5%	Now	\$5,000	LIFE	**	5	\$100		
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 75%</i>									
<i>Location : Various Locations Along Parapet</i>									
<b>Roof</b>									
Modified Bitumen	100%	Now	\$59,100	2026		\$118,200		1	
<i>Ponding, Extent : Severe, Area Affected : 30%</i>									
<i>Location : Main Roof, Front And Back</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Main Roof To 2nd Floor Locker Room</i>									
<b>Interior</b>									
<b>Floors</b>									
Cast in Place Concrete	25%			LIFE	**	5	\$4,900		
Mosaic Tile	5%			2039	**	5	\$1,100		
Vinyl Tile	70%	2-4	\$2,700	2026		\$54,500	3	\$2,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Second Floor</i>									
<b>Interior Walls</b>									
Cast in Place Concrete	9%	Now	\$14,400	LIFE	**				
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Basement</i>									
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>									
<i>Location : Basement</i>									
Ceramic Tile	2%	0-2	\$700	2035	**	5	\$100		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>									
<i>Location : Toilets</i>									
Masonry: Brick	12%			LIFE	**				
Plaster	63%	Now	\$6,400	LIFE	**	5	\$2,300		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout Stairs And Corridors</i>									
SGFT/Glazed Masonry	14%	Now	\$3,400	LIFE	**				
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>									
<i>Location : Apparatus Room</i>									

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
Acous Tile Susp. Lay-In	10%			2039	**	5	\$900	
Exposed Concrete	15%	Now	\$4,400	LIFE	**	5	\$200	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	75%	Now	\$9,000	LIFE	**	5	\$4,200	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor, Locker Room And Hallway</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2036	**			
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%	Now	\$9,800	2031	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Back And Side Of The Building</i>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2039	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2026	\$4,900	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Size Of Switch Not Indicated</i>								
<b>Raceway</b>								
Conduit	100%			2026	\$32,000	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2034	**	5	\$200	
<b>Wiring</b>								
Braided Cloth	10%	2-4	\$2,800	2051	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : First Floor And Basement</i>								
Thermoplastic	90%			2036	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%	4+	\$14,700	2046	**	5		
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : First Floor And Basement</i>								

**Ground**

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Grounding</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	100%			2031	**	10	\$5,500	
<i>T-5 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting Emergency, Battery	50%			2036	**	10	\$700	
Exit, Battery	50%			2036	**	10	\$200	
Exterior Lighting HID	50%			2026		\$11,600	10	
No Component	50%							
<b>Alarm</b>								
Fire/Smoke Detection No Component Generic, Analog	90%	10%	4+	\$6,300	2036	**	1-3	\$300
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2046	**	1		
Conversion Equipment Steam Boiler	100%			2043	**	1	\$5,900	
<i>Recent Repair Evident, Extent : Light, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2036	**	4	\$400	
Terminal Devices Convactor/Radiator	100%			2039	**	1	\$1,900	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment Window/Wall Unit	100%			2021		\$12,000	1	
<b>Ventilation</b>								

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Interior	100%			2026	\$20,400	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor Bathrooms</i>								
<i>Explanation : Toilet Exhaust</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Water Heater								
Gas Fired	100%			2024	\$3,500	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 74 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%	4+	\$200	2021	\$200	4	\$100	
<i>Not in Service, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Backflow Preventer								
No Component	95%							
Generic	5%			2034	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
Generic	100%							

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 05-Apr-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 12961 **Lot** : 10 **BIN** : 4279279

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$49,300	\$246,700
Electrical		\$64,300
<b>Total</b>	<b>\$49,300</b>	<b>\$311,000</b>
Importance Code A	\$49,300	\$246,700
Importance Code B		\$64,300
<b>Total</b>	<b>\$49,300</b>	<b>\$311,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture		\$2,900		
Interior Architecture	\$300	\$1,600	\$500	\$300
Electrical	\$2,700	\$800	\$900	\$900
Mechanical	\$300	\$400	\$4,000	\$400
<b>Total</b>	<b>\$3,400</b>	<b>\$5,800</b>	<b>\$5,500</b>	<b>\$1,700</b>
Importance Code A	\$300	\$3,300	\$300	\$300
Importance Code B	\$3,100	\$2,500	\$4,900	\$1,400
Importance Code C			\$300	
<b>Total</b>	<b>\$3,400</b>	<b>\$5,800</b>	<b>\$5,500</b>	<b>\$1,700</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**  
**EMS STATION 54 SPRINGFIELD GARDENS STATION**  
**Asset # : 4524**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
<b>Exterior</b>								
Exterior Walls								
Concrete Masonry Unit	30%			LIFE	**	5	\$2,900	
Masonry: Brick	60%			LIFE	**	5	\$9,400	
Metal Sect. OHD	10%			2041	**	5	\$4,900	
Windows								
Aluminum	100%			2046	**	5	\$1,000	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$2,200	
Metal Cornice	10%			2059	**	10	\$800	
Roof								
Modified Bitumen	100%	Now	\$49,300	2029	\$246,700			
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Locker Room</i>								
<i>Not Insulated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Locker Room</i>								
<b>Interior</b>								
Floors								
Cast in Place Concrete	65%			LIFE	**	5	\$12,900	
Ceramic Tile	5%			2037	**	5	\$500	
Vinyl Tile	30%			2032	**	3	\$1,400	
Interior Walls								
Ceramic Tile	5%			2037	**	5	\$500	
Concrete Masonry Unit	60%			LIFE	**	5	\$2,600	
Gypsum Board	30%			LIFE	**	5	\$2,000	
Metal Panel	5%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	35%			2041	**	5	\$3,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Female Locker Room</i>								
Exposed Struc: Steel	60%			LIFE	**			
Gypsum Board	5%			LIFE	**	5	\$600	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Entrance To Apparatus Floor</i>								
<b>Site Enclosure</b>								
Fence/Gates								
Iron Picket	100%			2068	**			
Free Standing Walls								
Concrete Masonry Unit	90%			2050	**			
Masonry: Fieldstone	10%			2050	**			
<b>Site Pavements</b>								
On-Site Walkways								
Cast in Place Concrete	100%			2041	**			
Parking/Driveway								
Asphalt	80%			2037	**			
Cast in Place Concrete	20%			2041	**			

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2044	**	5		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Main Service Switch Rated At 400 Amperes</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2044	**	5		
Raceway								
Conduit	100%			2044	**	1		
Panelboards								
Fused Disc Sw	10%			2040	**	5		
Molded Case Bkrs	90%			2040	**	5	\$100	
Wiring								
Thermoplastic	100%			2044	**	1		
Motor Controllers								
Locally Mounted	100%			2037	**	5		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2037	**	1	\$1,900	
Generators								
Diesel	100%			2033	**	1	\$2,400	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : Emergency Generator Rated At 100 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2052	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 120 Gallon Capacity</i>						
<b>Lighting</b>								
Interior Lighting								
Fluorescent	100%			2029	\$16,800	10	\$5,600	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Egress Lighting								
Emergency, Service	50%			2029	\$1,500	1		
Exit, LED	50%			2052	**	1		
Exterior Lighting								
HID	100%			2029	\$23,400	10		
<b>Alarm</b>								

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Alarm</b>								
Security System								
No Component	70%							
Generic	30%			2029	\$5,600	1	\$700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Entry And Exit Points</i>								
<i>Explanation : Intrusion Alarm Only, Panic Doors</i>								
<hr/>								
Fire/Smoke Detection								
Generic	100%			2029	\$64,300	1-3	\$3,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Smoke Detectors And Manual Pull Station</i>								
<hr/>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Electricity	5%			2044	**	1		
Natural Gas	95%			2044	**	1		
<hr/>								
Conversion Equipment								
Furnace	95%			2029	\$13,000	1	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 95%</i>								
<i>Location : Modine Heaters In Garage, Package Unit On Roof</i>								
<i>Explanation : 4 Modine Heaters, 1 Roof Top Package Unit</i>								
<hr/>								
Radiant Heater	5%			2029	\$5,200	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>Explanation : 1 Electrical Unit</i>								
<hr/>								
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2040	**	1		
<hr/>								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	30%			2029	\$21,800	2	\$100	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Roof Mounted</i>								
<i>Explanation : 1 Roof Top Package Unit For Office Only</i>								
<hr/>								
No Component	70%							
<hr/>								
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,000	
No Component	70%							

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
	Exhaust Fans							
	Roof	50%			2029	\$4,800	2	\$100
	Wall Unit	50%			2029	\$1,000	2	\$100
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2044	**	1	
	Water Heater							
	Gas Fired	100%			2022	\$3,500	2	\$100
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : 1st Floor Mechanical Room</i>					
			<i>Explanation : One A O Smith Gas Fired Water Heater</i>					
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	Generic	100%			2029	\$1,500	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 2419 **Lot** : 1 **BIN** : 2001898

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$121,500	
Interior Architecture	\$43,100	\$38,100
Electrical	\$114,200	
Mechanical	\$99,600	\$197,400
<b>Total</b>	<b>\$378,300</b>	<b>\$235,500</b>
Importance Code A	\$121,500	
Importance Code B	\$213,800	\$197,400
Importance Code C	\$43,100	\$38,100
<b>Total</b>	<b>\$378,300</b>	<b>\$235,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$21,900	\$15,500	\$900	
Interior Architecture	\$23,800		\$900	
Electrical	\$15,700	\$12,400	\$1,100	\$1,200
Mechanical	\$46,900	\$11,300	\$2,900	\$1,700
Site Enclosure	\$3,000			
Site Pavements	\$10,100			
<b>Total</b>	<b>\$121,600</b>	<b>\$39,200</b>	<b>\$5,800</b>	<b>\$2,900</b>
Importance Code A	\$56,000	\$16,700	\$2,100	\$1,200
Importance Code B	\$45,500	\$22,500	\$3,700	\$1,700
Importance Code C	\$20,000			
<b>Total</b>	<b>\$121,600</b>	<b>\$39,200</b>	<b>\$5,800</b>	<b>\$2,900</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**  
**EMS STATION 55**  
**Asset # : 13231**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	2%	Now	\$1,900	2036	**			
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout.</i>								
Masonry: Brick	25%	Now	\$99,600	LIFE	**	5	\$7,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout.</i>								
Masonry: Brick	50%	Now	\$21,900	LIFE	**	5	\$14,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Ground Face Brick-surrounding Masonry Openings Throughout Building.</i>								
Masonry: Limestone	5%	Now	\$8,800	LIFE	**	5	\$1,100	
<i>Vertical Cracks, Extent : Light, Area Affected : 25%</i>								
<i>Location : Front Facade</i>								
Stucco Cement	13%	Now	\$5,500	2039	**	5	\$4,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Various Locations Throughout</i>								
Wood Overhead Doors	5%			2031	**	5	\$7,100	
Windows								
Aluminum	100%			2042	**	5	\$1,700	
<i>Unit Inoperable, Extent : Light, Area Affected : 2%</i>								
<i>Location : Rear Office Window</i>								
Parapets								
Masonry: Brick	90%	Now	\$3,200	LIFE	**	5	\$2,700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 50%</i>								
<i>Location : Parapet Wall Adjacent To Roof Hatch.</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
Masonry: Limestone	10%	0-2	\$700	LIFE	**	5	\$400	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Caulking Deteriorated, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
Roof								
Modified Bitumen	95%			2031	**	10	\$12,000	
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Upper Roof</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
Skylight, Metal/Glass	5%	0-2	\$1,900	2046	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Upper Roof</i>								
<i>Explanation : Failing Caulk Joints</i>								

## 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 55**  
**Asset # : 13231**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$4,800	LIFE	**	5	\$20,000	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout Basement.</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement And Apparatus Floor</i>								
Ceramic Tile	5%			2029	\$18,100	5	\$900	
Quarry Tile	5%			2039	**	5	\$1,400	
Vinyl Tile	40%			2031	**	3	\$2,700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Landing By Rear Stairs And Locker Room.</i>								
Interior Walls								
Ceramic Tile	5%			2029	\$38,100	5	\$1,400	
Gypsum Board	35%			LIFE	**	5	\$5,700	
Masonry: Brick	40%	Now	\$43,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement And Various Locations Throughout.</i>								
Masonry: Fieldstone	5%	Now	\$5,800	LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement.</i>								
<i>Explanation : Parged Over Granite Foundation Wall Showed Missing Mortar In Various Locations.</i>								
Plaster	10%	Now	\$1,100	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 75%</i>								
<i>Location : Various Locations Throughout 1st Floor.</i>								
Wood	5%			LIFE	**	5	\$5,400	
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Womens Locker Room</i>								
Ceilings								
AcousTileSusp.Lay-In	30%	2-4	\$2,300	2039	**	5	\$2,700	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout</i>								
Embossed Metal	30%	Now	\$9,800	LIFE	**	5	\$2,500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Over Main Truck Bays.</i>								
Exposed Struc: Steel	30%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$2,300	
Site Enclosure								
Fence/Gates								
Chain Link	100%	2-4	\$3,000	2036	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Parking Lot</i>								
Site Pavements								

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

**FIRE DEPARTMENT - 057**  
**EMS STATION 55**  
**Asset # : 13231**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Pavements								
Parking/Driveway								
Asphalt	80%	Now	\$10,100	2035		**		
			<i>Ponding, Extent : Moderate, Area Affected : 15%</i>					
			<i>Location : Rear Parking Lot</i>					
			<i>Potholes, Extent : Severe, Area Affected : 5%</i>					
			<i>Location : Rear Parking Lot</i>					
			<i>Sinking/Subsiding, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : Rear Parking Lot</i>					
Cast in Place Concrete	20%			2039		**		

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2026	\$4,900	5	\$100	
Raceway								
Conduit	100%			2026	\$32,000	1		
Panelboards								
Molded Case Bkrs	100%			2034	**	5	\$300	
			<i>Covers Missing, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : 2nd Floor</i>					
Wiring								
Thermoplastic	100%			2026	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2031	**	5	\$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Automatic	100%			2031	**	1	\$3,800	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 200 Amp.</i>					
Generators								
Diesel	100%			2022	\$67,200	1	\$4,700	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside, Close To Rear Parking Lot.</i>					
			<i>Explanation : 76 Kilowatt</i>					
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$500	
Fuel Storage								
Main Tank	100%			2029	\$1,500	5	\$400	
Lighting								

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**FIRE DEPARTMENT - 057**  
**EMS STATION 55**  
**Asset # : 13231**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	100%			2031	**	10	\$11,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 25%</i>								
<i>Location : 1st Floor And Basement</i>								
Egress Lighting Emergency, Service	50%			2026	\$3,100	1		
Emergency, Service	50%			2026	\$3,100	1		
Exterior Lighting HID	100%			2021	\$47,000	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Photocell Control</i>								
<b>Alarm</b>								
Security System No Component Generic	50%			2026	\$18,800	1	\$2,300	
Fire/Smoke Detection No Component Generic, Analog	90%	10%	Now	\$12,900	2036	**	1-3	\$700
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2036	**	1		
Conversion Equipment Steam Boiler	90%	2-4	\$34,000	2039	**	1	\$9,800	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Explanation : Unit Requires A Lot Of Water Fill. Unit 15 Years Old</i>								
Steam Boiler	10%			2039	**	1	\$1,200	
Distribution Central Plant Steam Piping/Pmp	100%			2026	\$197,400	4	\$600	
<i>Insul. Deteriorating, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Terminal Devices Convactor/Radiator	100%			2031	**	1	\$3,900	
<b>Air Conditioning</b>								
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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Split Unit	80%	2-4	\$99,600	2036	**			
<i>Other Observation, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Explanation : Outdoor Unit No Repair. Indoor Units Old And 30 Percent Malfunctioning</i>								
Window/Wall Unit	10%			2021	\$2,400	1		
No Component	10%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,800	
Exhaust Fans								
Interior	15%	Now	\$6,200	2036	**	2		
<i>Unit Inoperable, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen Hood</i>								
Roof	85%			2031	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Gas Fired	100%			2021	\$7,100	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 75 Gallons</i>								
Sanitary Piping								
Cast Iron	30%			LIFE	**	1		
Cast Iron	70%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$400	4	\$400	
Backflow Preventer								
No Component	95%							
Generic	5%			2031	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	95%							
Generic	5%	Now	\$5,700	2056	**	1-2	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen Hood System</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.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS STATION 55 MELROSE STATION  
**Address** : 3134 PARK AVE. @E 159TH STREET  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSEMS.055 / 13992 **Yr Built/Renovated** : 1905 / 1998  
**Area Sq Ft** : 20,000 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 18-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,3  
**Block** : 2419 **Lot** : 1 **BIN** : 2001898

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$640,900	\$494,500
Interior Architecture	\$300,900	\$175,000
Electrical	\$16,600	\$57,700
<b>Total</b>	<b>\$958,300</b>	<b>\$727,300</b>
Importance Code A	\$640,900	\$494,500
Importance Code B	\$218,100	\$232,800
Importance Code C	\$99,400	
<b>Total</b>	<b>\$958,300</b>	<b>\$727,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$16,200	\$8,200		\$2,000
Interior Architecture	\$24,000		\$800	\$3,700
Electrical	\$2,100	\$2,200	\$4,100	\$17,900
Mechanical	\$29,500	\$5,000	\$3,200	\$8,500
Site Pavements	\$12,700			
<b>Total</b>	<b>\$84,500</b>	<b>\$15,400</b>	<b>\$8,100</b>	<b>\$32,000</b>
Importance Code A	\$18,200	\$10,200	\$2,000	\$4,000
Importance Code B	\$47,400	\$5,200	\$6,100	\$28,000
Importance Code C	\$18,900			
<b>Total</b>	<b>\$84,500</b>	<b>\$15,400</b>	<b>\$8,100</b>	<b>\$32,000</b>



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**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$20,700	
Masonry: Brick	88%	Now	\$430,000	LIFE	**	5	\$46,500	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Metal Panel	2%			2038	**	5-10	\$7,300	
Metal Sect. OHD	5%			2041	**	5	\$8,300	
Windows								
Aluminum	100%			2036	**	5	\$8,200	
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$16,200	LIFE	**	5	\$2,400	
<i>Open Joints, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Top Main Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	90%	Now	\$166,100	LIFE	**	5	\$2,800	
<i>Spalling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	100%	Now	\$44,800	2028	\$447,900			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Around Roof Hatch</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Around Roof Hatch</i>								
Interior								
Floors								
Cast in Place Concrete	25%			LIFE	**	5	\$17,000	
Ceramic Tile	5%			2037	**	5	\$1,600	
Quarry Tile	5%			2033	**	5	\$2,300	
Vinyl Tile	65%	Now	\$17,500	2028	\$175,000	3	\$7,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Offices</i>								

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	5%	Now	\$3,900	2037	**	5	\$1,400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Second Floor Toilets</i>								
Concrete Masonry Unit	2%			LIFE	**	5	\$400	
Gypsum Board	64%			LIFE	**	5	\$21,300	
Masonry: Brick	15%	Now	\$99,400	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Boiler Room</i>								
Masonry: Fieldstone	2%			LIFE	**			
Plaster	10%	Now	\$2,300	LIFE	**	5	\$1,700	
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Second Floor Under Roof Hatch</i>								
Wood	2%			LIFE	**	5	\$4,400	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	2%	Now	\$300	2033	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : First Floor</i>								
Embossed Metal	91%	Now	\$201,400	LIFE	**	5	\$13,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : First And Second Floor</i>								
<i>Deformed/Dented, Extent : Severe, Area Affected : 30%</i>								
<i>Location : First And Second Floor</i>								
Exposed Struc: Steel	2%			LIFE	**			
Plaster	5%			LIFE	**	5	\$1,000	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2048	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2041	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%	Now	\$3,300	2041	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Concrete Pavement Area Between The Building And Parking Lot</i>								
<b>Parking/Driveway</b>								
Asphalt	80%	Now	\$9,400	2031	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Parking Lot</i>								
Cast in Place Concrete	20%			2041	**			

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

Under 600 Volts

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

Electrical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2028	\$4,900	5	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room Basement</i>						
		<i>Explanation : One 400 Ampere Main Disconnect Switch</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2028	\$49,900	5	\$500	
Raceway								
Conduit	95%			2028	\$30,400	1		
Conduit	5%			2048	**	1		
Panelboards								
Fused Disc Sw	5%			2027	\$2,000	5		
Molded Case Bkrs	20%			2027	\$7,900	5	\$100	
Molded Case Bkrs	75%			2044	**	5	\$400	
Wiring								
Thermoplastic	25%			2028	\$7,100	1		
Thermoplastic	75%			2048	**	1		
Motor Controllers								
Locally Mounted	100%			2041	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2041	**	1	\$6,200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two Automatic Transfer Switches</i>						
Generators								
Diesel	100%			2037	**	1	\$7,800	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Rear Yard</i>						
		<i>Explanation : One 81 Kva</i>						
Batteries								
Lead/Acid	100%			2022	\$1,500	5	\$700	
Fuel Storage								
Day Tank	100%			2044	**	5	\$3,700	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 60 Gallon</i>						
Lighting								

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	50%			2033	**	10	\$9,200	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
Fluorescent	30%			2023	\$16,600	10	\$5,500	
		<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Fluorescent	20%			2038	**	10	\$3,700	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						
<b>Egress Lighting</b>								
Emergency, Service	45%			2033	**	1		
Emergency, Battery	15%			2033	**	10	\$700	
Exit, Service	40%			2033	**	1		
<b>Exterior Lighting</b>								
HID	100%			2033	**	10	\$100	
<b>Alarm</b>								
Security System								
Generic	100%			2036	**	1	\$7,500	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside And Inside</i>						
		<i>Explanation : Nine CCTV Inside</i>						
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2048	**	1		
<b>Conversion Equipment</b>								
Steam Boiler	100%			2041	**	1	\$19,800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One Unit</i>						
<b>Distribution</b>								
Steam Piping/Pump	100%			2048	**			
<b>Terminal Devices</b>								
Convactor/Radiator	80%			2033	**	1	\$5,200	
Unit Heater - Hot Water	20%			2033	**			
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2036	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**EMS STATION 55 MELROSE STATION**  
**Asset # : 13992**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Split Unit	40%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Various</i>								
<i>Explanation : 8 Units. R-410a</i>								
Window/Wall Unit	10%			2023	\$4,000	1		
No Component	50%							
Terminal Devices								
Fan Coil - 2 Pipe	40%			2033	**	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Offices</i>								
<i>Explanation : 7 Units</i>								
No Component	60%							
Heat Rejection								
Evaporative Condenser	40%			2033	**	2	\$5,600	
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$1,100	
No Component	90%							
Exhaust Fans								
Roof	10%			2033	**	2	\$100	
No Component	90%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	**	1		
Water Heater								
Gas Fired	100%			2026	\$11,700	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2021	\$600	4	\$600	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Dry	100%	Now	\$26,700	2028	\$26,700	1-3	\$3,400	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Ars-15b, Needs To Be Replaced</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 21-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 1723 **Lot** : 1 **BIN** : 3048341

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$137,800
Electrical		\$67,200
<b>Total</b>		<b>\$205,000</b>
Importance Code A		\$137,800
Importance Code B		\$67,200
<b>Total</b>		<b>\$205,000</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$900		\$5,900	
Interior Architecture	\$5,300			\$800
Electrical	\$2,100	\$400	\$1,100	\$400
Mechanical	\$3,200	\$400	\$4,500	\$400
Site Pavements	\$3,900			
<b>Total</b>	<b>\$15,400</b>	<b>\$900</b>	<b>\$11,500</b>	<b>\$1,600</b>
Importance Code A	\$1,300	\$300	\$6,200	\$300
Importance Code B	\$10,200	\$600	\$5,300	\$1,000
Importance Code C	\$3,900			\$300
<b>Total</b>	<b>\$15,400</b>	<b>\$900</b>	<b>\$11,500</b>	<b>\$1,600</b>



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 57 BEDFORD STUYVESANT STATION**  
**Asset # : 13999**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$17,600	
Metal Sect. OHD	15%			2037	**	5	\$11,800	
Pre-Cast Concrete	15%			LIFE	**	5	\$12,300	
Windows								
Aluminum	100%			2040	**	5	\$1,900	
Parapets								
Masonry: Brick	70%			LIFE	**	5	\$1,300	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All Parapets</i>								
<i>Explanation : Roofing Material Extends Up All Parapets To Coping Covering The Brick</i>								
Pre-Cast Concrete	30%			LIFE	**	5	\$3,500	
Roof								
Single Ply Membrane	100%			2029	\$137,800	10	\$8,500	
Interior								
Floors								
Cast in Place Concrete	75%	2-4	\$3,600	LIFE	**	5	\$14,700	
<i>Horizontal Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Truck Bay Floor</i>								
Ceramic Tile	5%			2033	**	5	\$500	
Vinyl Tile	20%	Now	\$800	2029	\$15,600	3	\$700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Interior Walls								
Ceramic Tile	5%			2033	**	5	\$600	
Concrete Masonry Unit	70%			LIFE	**	5	\$3,500	
Gypsum Board	25%			LIFE	**	5	\$1,900	
Ceilings								
AcousTileSusp.Lay-In	25%	Now	\$900	2037	**	5	\$1,100	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Embossed Metal	75%			LIFE	**	5	\$3,000	
Site Enclosure								
Fence/Gates								
Aluminum Picket	40%			2044	**			
Chain Link	60%			2044	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2037	**			
Parking/Driveway								
Asphalt	78%	Now	\$3,900	2033	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parking Lot At Rear Of Building</i>								
Cast in Place Concrete	22%			2037	**			

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**FIRE DEPARTMENT - 057**  
**EMS STATION 57 BEDFORD STUYVESANT STATION**  
**Asset # : 13999**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2034	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 1- 400 Amperes Siemens Service Switch</i>								
Raceway								
Conduit	100%			2034	**	1		
Panelboards								
Fused Disc Sw	5%			2032	**	5		
Molded Case Bkrs	95%			2032	**	5	\$200	
Wiring								
Thermoplastic	100%			2034	**	1		
Motor Controllers								
Locally Mounted	10%			2029		5	\$1,500	
Motor Control Center	90%			2029		5	\$13,200	\$100
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5		\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : Copper Clamp Type Hub Connection</i>								
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2029	\$4,900	1		\$1,900
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 104 Amperes Asco Switch</i>								
Generators								
Diesel	100%			2027	\$67,200	1		\$2,300
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside On Lower Roof</i>								
<i>Explanation : 70 Kva Onan Cummins Equipment</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5		\$200
Fuel Storage								
Day Tank	100%			2032	**	5		\$1,100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside On Lower Roof</i>								
<i>Explanation : 56 Gallon Simplex Unit</i>								
<b>Lighting</b>								
Interior Lighting								
Fluorescent	100%			2024	\$16,600	10		\$5,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Recently Installed T-8 Fixtures</i>								

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**FIRE DEPARTMENT - 057**  
**EMS STATION 57 BEDFORD STUYVESANT STATION**  
**Asset # : 13999**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Egress Lighting Exit, Service	100%			2024	\$700	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fixtures Are Connected To Building Power</i>								
Exterior Lighting HID	100%			2024	\$23,100	10		
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source Electricity	10%			2044	**	1		
Natural Gas	90%			2044	**	1		
Conversion Equipment Furnace	90%			2029	\$12,200	1	\$2,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 4 Are In Truck Bay Area, Package Unit Is On The Roof</i>								
<i>Explanation : 4 Modine Heaters, 1 Package Unit</i>								
Radiant Heater	10%			2024	\$10,200	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1 Is In Hallway, 1 Is In Meter Room</i>								
<i>Explanation : 2 Units</i>								
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2040	**	1		
Conversion Equipment Ext Pkg Unit - Heating/Cooling	30%			2029	\$21,500	2	\$100	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Unit For Office Only</i>								
No Component	70%							
<b>Ventilation</b>								
Distribution Ductwork/Diffusers	100%	Now	\$2,600	LIFE	**	2-5	\$3,300	
<i>Leak Evident, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Leaking To Mens Locker Room When It Rains</i>								
Exhaust Fans Roof	100%			2029	\$9,500	2	\$200	
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	100%			2044	**	1		

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**FIRE DEPARTMENT - 057**  
**EMS STATION 57 BEDFORD STUYVESANT STATION**  
**Asset # : 13999**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Water Heater Gas Fired	100%			2022	\$3,500	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Water Heater Room</i>					
			<i>Explanation : 1 - 80 Gallon Unit</i>					
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Fixtures Generic	100%						
Fire Suppression	Sprinkler Generic	100%			2044	**	1-2	\$1,700

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : EMS STATION 58 EAST 83RD STREET STATION  
**Address** : 420 EAST 83RD ST. @ PRESTON CT.  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSEMS.058 / 14000 **Yr Built/Renovated** :  
**Area Sq Ft** : 25,000 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 01-Dec-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Floors 1,MEZ  
**Block** : 1562 **Lot** : 36 **BIN** : 1050434

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$35,100	\$442,400
Interior Architecture	\$411,300	\$127,200
Electrical	\$96,400	
Mechanical		\$331,400
Site Pavements	\$80,500	
<b>Total</b>	<b>\$623,300</b>	<b>\$900,900</b>
Importance Code A	\$35,100	\$654,100
Importance Code B	\$588,200	\$246,800
<b>Total</b>	<b>\$623,300</b>	<b>\$900,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$29,300	\$11,900		
Interior Architecture	\$60,200	\$300		\$1,800
Electrical	\$4,700	\$3,800	\$2,700	\$3,600
Mechanical	\$26,600	\$500	\$10,300	\$26,600
<b>Total</b>	<b>\$120,800</b>	<b>\$16,500</b>	<b>\$13,000</b>	<b>\$32,000</b>
Importance Code A	\$30,500	\$11,900	\$1,200	\$100
Importance Code B	\$52,400	\$4,600	\$11,800	\$31,900
Importance Code C	\$37,900			
<b>Total</b>	<b>\$120,800</b>	<b>\$16,500</b>	<b>\$13,000</b>	<b>\$32,000</b>



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

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick Cavity	60%	Now	\$35,100	LIFE	**	5	\$18,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Bottom Corner Of Facade At Street Corner</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Base Of Building Along Preston Court</i>								
Metal Coiling Doors	25%			2026	\$442,400	5	\$23,900	
Metal Coiling Doors	15%			2045	**	5	\$14,300	
Windows								
Aluminum	100%	0-2	\$22,100	2053	**	5	\$300	
<i>Air Infiltration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Mezzanine Offices</i>								
Parapets								
Not Accessible	100%							
Roof								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Roof Hatch</i>								
<i>Explanation : Access Required Through Neighboring Tenant</i>								
Interior								

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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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	55%	Now	\$284,000	LIFE	**	5	\$58,500	
<i>Horizontal Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Truck Bay Floor</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 30%</i>								
<i>Location : At Column Supports And Control Joints Throughout Truck Bays</i>								
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Various Locations Throughout Truck Bays Due To Differential Settlement Of Slab</i>								
<i>Explanation : Tripping Hazards</i>								
Cast in Place Concrete	5%	Now	\$5,200	LIFE	**	5	\$5,300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Male / Female Locker Rooms</i>								
Ceramic Tile	5%	Now	\$9,600	2031	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Toilet Rooms And Corridors</i>								
Vinyl Tile	15%	Now	\$12,700	2028	\$63,300	3	\$2,700	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout First Floor Offices / Corridors</i>								
Vinyl Tile	5%			2036	**	3	\$900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mezzanine Offices</i>								
Vinyl Tile 9" X 9"	15%	Now	\$82,000	2038	**	3	\$2,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout 1st Floor Gymnasium, Kitchen, Breakroom, Captain Locker Room</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$6,600	2031	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Toilet Rooms And Base Of Corridor Walls</i>								
Concrete Masonry Unit	40%	Now	\$21,300	LIFE	**	5	\$3,800	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Storage Mezzanine</i>								
Gypsum Board	50%	Now	\$9,900	LIFE	**	5	\$7,000	
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Offices And Hallways</i>								
Wood	5%			LIFE	**	5	\$4,700	
Ceilings								
AcousTileSusp.Lay-In	50%	Now	\$40,200	2033	**	5	\$12,200	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Offices And Corridors</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Locker Rooms, Toilet Rooms</i>								
Exposed Struc: Steel	50%			LIFE	**			

## Site Pavements

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

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

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

## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%	Now	\$80,500	2048	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 75%*

*Location : Entire Perimeter 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	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2038	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : 1st Floor Service Room*

*Explanation : 2- 400 Amperes Service Switches*

## Raceway

Conduit	100%			2038	**	1		
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## Panelboards

Molded Case Bkrs	100%			2036	**	5	\$700	
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## Wiring

Thermoplastic	100%			2038	**	1		
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## Motor Controllers

Locally Mounted	100%			2026	\$14,700	5	\$200	
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## Ground

## Grounding Devices

Not Accessible	100%							
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## Stand-by Power

## Transfer Switches

Automatic	100%			2033	**	1	\$7,700	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : 1st Floor Service Room*

*Explanation : 600 Amperes Switch*

## Generators

Diesel	100%			2031	**	1	\$9,700	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : 1st Floor Service Room*

*Explanation : 188 Kva Generator*

## Batteries

Lead/Acid	100%			2020	\$1,500	5	\$900	
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**FIRE DEPARTMENT - 057**  
**EMS STATION 58 EAST 83RD STREET STATION**  
**Asset # : 14000**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
<b>Fuel Storage</b>								
Day Tank	30%			2036	**	5	\$1,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Rear</i>								
<i>Explanation : 30 Gallon Tank</i>								
Main Tank	70%			2043	**	5	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : 5000 Gallons</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	98%			2036	**	10	\$22,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Fixtures</i>								
HID	2%			2023		10	\$500	
<b>Egress Lighting</b>								
Emergency, Service	50%			2028		1	\$6,300	
Exit, Service	50%			2028		1	\$1,400	
<b>Exterior Lighting</b>								
HID	100%			2023		10	\$96,400	\$100
<b>Alarm</b>								
<b>Security System</b>								
Generic	100%			2033	**	1	\$9,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Inside, Outside</i>								
<i>Explanation : Exterior Security Camera, Door Alarm</i>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	100%			2048	**	1		
<b>Conversion Equipment</b>								
Radiant Heater	50%			2028	\$211,700	2	\$5,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : (4) Gas Fired Radiant Heaters</i>								
Not Accessible	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Roof</i>								
<i>Explanation : (3) Gas Fired Packaged Roof Top Units</i>								

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$13,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Office Space</i>								
<i>Explanation : Office And Support Space Only</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2044	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	40%	Now	\$23,900	2028	\$119,700	2	\$500	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof, Defective Compressors</i>								
Window/Wall Unit	10%			2023	\$5,000	1		
No Component	50%							
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2	\$16,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Office / Support Space</i>								
<i>Explanation : Garage Space Is Not Covered By This System</i>								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$7,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : Flat Canvas Duct System</i>								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$7,000	
Exhaust Fans								
Interior								
	25%			2028	\$21,300	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 83rd Street Side</i>								
<i>Explanation : Serves Garage Only</i>								
Roof	50%			2028	\$19,800	2	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Serves Garage Only</i>								
Roof	25%	Now	\$500	2028	\$9,900	2	\$200	
<i>Malfunctioning, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Defective Male And Female Locker Room / Toilet Exhaust Fans</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2038	**	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Water Heater Electric	100%			2023	\$21,100	4	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Male Locker Room, Apparatus Floor</i>					
			<i>Explanation : 3 - 50 Gallon Units</i>					
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Fixtures	Generic	100%						
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Garage</i>					
			<i>Explanation : Broken Water Cooler</i>					
Fire Suppression	Sprinkler Generic	100%			2038	**	1-2	\$7,000

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 16-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Floors 1,2  
**Block** : 962 **Lot** : 100 **BIN** : 1087242

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$46,200
<b>Total</b>		<b>\$46,200</b>
Importance Code A		\$46,200
<b>Total</b>		<b>\$46,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture				\$300
Interior Architecture	\$1,100	\$900		\$2,400
Electrical		\$5,900	\$100	
Mechanical	\$400	\$300	\$2,100	\$300
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$5,500</b>	<b>\$11,000</b>	<b>\$6,100</b>	<b>\$6,900</b>
Importance Code A				\$300
Importance Code B	\$5,500	\$10,100	\$6,100	\$6,700
Importance Code C		\$900		
<b>Total</b>	<b>\$5,500</b>	<b>\$11,000</b>	<b>\$6,100</b>	<b>\$6,900</b>



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

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Metal Sect. OHD	20%			2039	**	5	\$14,800	
Granite Panels	20%			LIFE	**	5	\$3,600	
Pre-Cast Concrete	60%			LIFE	**	5	\$46,200	
<b>Windows</b>								
Aluminum	100%			2048	**	5	\$500	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	45%			LIFE	**	5	\$9,100	
Ceramic Tile	10%	Now	\$400	2039	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Floor Shower</i>								
Vinyl Tile	45%	Now	\$700	2031	**	3	\$1,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : 1st Floor Janitors Closet, 2nd Floor Shower</i>								
<b>Interior Walls</b>								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%			2041	**	5	\$1,800	
Concrete Masonry Unit	35%			LIFE	**	5	\$2,500	
Gypsum Board	45%			LIFE	**	5	\$4,900	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	45%			2043	**	5	\$3,800	
Exposed Struc: Steel	40%			LIFE	**			
Gypsum Board	15%			LIFE	**	5	\$1,600	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Transformers</b>								
Dry Type	100%			2039	**	5		
<b>Raceway</b>								
Conduit	100%			2046	**	1		
<b>Panelboards</b>								
Fused Disc Sw	20%			2042	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : First And Second Floor Electrical Closets</i>								
<i>Explanation : Disconnect Switches Mounted To Bus Duct Serving Building Power Supply.</i>								
Molded Case Bkrs	80%			2042	**	5	\$100	
<b>Wiring</b>								
Thermoplastic	100%			2046	**	1		

**Lighting**

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	75%			2031	**	10	\$4,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	25%			2031	**	10	\$1,400	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
<b>Egress Lighting</b>								
Emergency, Service	50%			2031	**	1		
Exit, Battery	50%			2031	**	10	\$200	
<b>Exterior Lighting</b>								
HID	50%			2031	**	10		
No Component	50%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Distribution Hot Wtr Piping/Pump	100%			2042	**	4	\$300	
Terminal Devices Convactor/Radiator	100%			2039	**	1	\$2,000	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment Split Unit	30%			2034	**			
No Component	70%							
Distribution Ductwork/Diffusers	50%			LIFE	**	2	\$4,000	
No Component	50%							
<b>Ventilation</b>								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,400	
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	100%			2046	**	1		
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Fixtures Generic	100%							
<b>Vertical Transport</b>								

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component</b>	<b>% of</b>	<b>Fail Date</b>	<b>Estimated Cost</b>	<b>Year</b>	<b>Estimated Cost</b>	<b>Cycle</b>	<b>Estimated Cost</b>
<b>Type</b>		<b>Total</b>	<b>(Years)</b>		<b>FY</b>		<b>(Yrs)</b>	
Vertical Transport	Elevators							
	Hydraulic	100%			LIFE		**	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st To 2nd Floor</i>					
			<i>Explanation : 1 - Unit</i>					
Fire Suppression	Sprinkler							
	Generic	100%			2046		**	1-2
			<i>Dry System, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Garage</i>					

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENG CO 264, 328/ LAD CO 134  
**Address** : 16-15 CENTRAL AVENUE  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.264 / 13153 **Yr Built/Renovated** : 1913 / 2003  
**Area Sq Ft** : 13,944 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 22-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 15559 **Lot** : 25 **BIN** : 4298240

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Electrical		\$53,700
Mechanical		\$71,400
<b>Total</b>		<b>\$125,100</b>
Importance Code B		\$125,100
<b>Total</b>		<b>\$125,100</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$27,300	\$6,900	\$200	
Interior Architecture	\$60,500	\$800		\$400
Electrical	\$15,700	\$16,800	\$2,300	\$1,100
Mechanical	\$32,300	\$15,700	\$2,500	\$1,800
<b>Total</b>	<b>\$135,900</b>	<b>\$40,200</b>	<b>\$5,000</b>	<b>\$3,300</b>
Importance Code A	\$28,700	\$8,500	\$1,600	\$1,400
Importance Code B	\$79,300	\$31,700	\$3,400	\$1,900
Importance Code C	\$27,900			
<b>Total</b>	<b>\$135,900</b>	<b>\$40,200</b>	<b>\$5,000</b>	<b>\$3,300</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**  
**ENG CO 264, 328/ LAD CO 134**  
**Asset # : 13153**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	15%			LIFE	**	5	\$2,700	
Masonry: Granite	5%			LIFE	**	5	\$700	
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Facade Base; Front Facade.</i>								
Masonry: Limestone	15%	0-2	\$6,000	LIFE	**	5	\$2,000	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Joint Between Limestone And Granite</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Around All Overhead Doors And Adjacent Building</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Cornice; Front Facade.</i>								
Stucco Cement	50%			2039	**	5	\$22,500	
Wood Overhead Doors	15%			2031	**	5	\$13,500	
Windows								
Aluminum	100%			2042	**	5	\$500	
Parapets								
Masonry: Brick	75%			LIFE	**	5	\$700	
Masonry: Limestone	10%			LIFE	**	5	\$100	
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>								
<i>Location : Coping On Main Roof.</i>								
Stucco Cement	15%			2031	**	5	\$300	
Roof								
Built-Up (BUR)	100%	Now	\$21,300	2031	**			
<i>Debris on Roof, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Southeast Corner</i>								
<i>Miss/Damaged Flashings, Extent : Light, Area Affected : 5%</i>								
<i>Location : Fourth Floor Roof East Wall.</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Patched Locations</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENG CO 264, 328/ LAD CO 134**  
**Asset # : 13153**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	75%	Now	\$8,300	LIFE	**	5	\$34,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Third Floor Gymnasium</i>								
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout All Floors</i>								
Ceramic Tile	5%	0-2	\$1,000	2029	\$20,600	5	\$500	
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilets Throughout</i>								
Quarry Tile	5%			2031	**	5	\$1,600	
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	15%	Now	\$2,700	2031	**	3	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout.</i>								

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

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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**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%	0-2	\$1,300	2029	\$25,200	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Toilets And Kitchen</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Toilets And Kitchen</i>								
Gypsum Board	15%	2-4	\$600	LIFE	**	5	\$1,600	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
Masonry: Brick	15%	Now	\$5,300	LIFE	**			
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Engine Company Basement Under Sidewalk Grate.</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Plaster	45%	Now	\$6,600	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
SGFT/Glazed Masonry	20%	Now	\$14,100	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								

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

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

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

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	55%	Now	\$4,700	2039	**	5	\$5,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : Truck Bunk Room.</i>								
Exposed Concrete	15%	Now	\$10,300	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Engine Company Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : North Side Of Ladder Company Basement.</i>								
<i>Explanation : Corroded Steel Beam. Supplemental Supports Are In Place.</i>								
Gypsum Board	10%			LIFE	**	5	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilets And Showers</i>								
<i>Explanation : Paint Peeling</i>								
Plaster	20%	Now	\$5,600	LIFE	**	5	\$2,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	90%			2046	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Side Basement</i>								
<i>Explanation : 200 Amperes Service</i>								
Photovoltaic Panel(s)	10%			2035	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Serves Hot Water Heater</i>								

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

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Under 600 Volts								
Raceway								
	Conduit	60%			2036	**	1	
	Conduit	40%			2046	**	1	
Panelboards								
	Molded Case Bkrs	100%			2034	**	5	\$400
Wiring								
	Thermoplastic	100%			2036	**	1	
Motor Controllers								
	Locally Mounted	100%			2031	**	5	\$100
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$200
Stand-by Power								
Transfer Switches								
	Automatic	100%			2039	**	1	\$4,300
Generators								
	Diesel	100%			2035	**	1	\$5,400
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Exterior</i>				
				<i>Explanation : 75 Kilowatt</i>				
Batteries								
	Nickel Cadmium	100%			2021	\$1,500	5	\$3,100
Fuel Storage								
	Day Tank	100%			2042	**	5	\$2,600
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Exterior</i>				
				<i>Explanation : 125 Gallons</i>				
Lighting								
Interior Lighting								
	Fluorescent	97%			2031	**	10	\$12,400
				<i>Motion Sensors in Use, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Throughout</i>				
				<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Throughout</i>				
	Incandescent	3%			2026	\$2,700	2	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Ceiling Of Stair Tower</i>				
				<i>Explanation : Incandescent Down lighting</i>				
Egress Lighting								
	Emergency, Battery	50%			2026	\$9,600	10	\$1,700
	Exit, Battery	50%			2026	\$2,600	10	\$500
Exterior Lighting								
	HID	100%			2026	\$53,700	10	
Alarm								

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

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

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

**Alarm**

## Fire/Smoke Detection

No Component

90%

Generic, Analog

10% Now

\$14,700

2036

\* \*

1-3

\$800

*Devices Missing, Extent : Severe, Area Affected : 100%**Location : Throughout**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : Throughout*

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

**Heating**

## Energy Source

Natural Gas

100%

2046

\* \*

1

## Conversion Equipment

Steam Boiler

100%

2039

\* \*

1

\$13,800

## Distribution

Central Plant Steam

100%

2046

\* \*

4

\$700

Piping/Pmp

## Terminal Devices

Convactor/Radiator

100%

2024

\$71,400

1

\$4,500

*Corroded, Extent : Light, Area Affected : 100%**Location : All Floors***Air Conditioning**

## Energy Source

Electricity

100%

2034

\* \*

1

## Conversion Equipment

Split Unit

10%

2031

\* \*

Window/Wall Unit

50%

2021

\$13,900

1

No Component

40%

**Ventilation**

## Distribution

Ductwork/Diffusers

20%

LIFE

\* \*

2-5

\$1,600

No Component

80%

*Other Observation, Extent : Light, Area Affected : 0%**Location : TV Room**Explanation : Ventilation Air*

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Ventilation</b>								
Exhaust Fans								
Interior	10%			2026	\$4,700	2		
		<i>Other Observation, Extent : Light, Area Affected : 20%</i>						
		<i>Location : Bathrooms</i>						
		<i>Explanation : Under Sized</i>						
Roof	10%			2026	\$2,200	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Kitchen Exhaust</i>						
Wall Unit	30%			2026	\$1,400	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Serves Engine Bays Only</i>						
No Component	50%							
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
		<i>Antiquated, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Not Insulated, Extent : Light, Area Affected : 60%</i>						
		<i>Location : Bathrooms</i>						
Water Heater								
Electric	50%	Now	\$600	2024	\$5,900	4		
		<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Roof</i>						
		<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : Solar Heat.</i>						
Gas Fired	50%			2024	\$4,100	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%	0-2	\$29,300	LIFE	**	1		
		<i>Corroded, Extent : Severe, Area Affected : 20%</i>						
		<i>Location : Front Of Basement</i>						
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$500	4	\$400	
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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 16-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3,4  
**Block** : 806 **Lot** : 66 **BIN** : 1015173

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$52,200	
<b>Total</b>	<b>\$52,200</b>	
Importance Code A	\$52,200	
<b>Total</b>	<b>\$52,200</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$3,500	\$2,600	\$10,300	\$8,000
Interior Architecture	\$5,400			
Electrical	\$13,400	\$8,200	\$900	\$800
Mechanical	\$33,400	\$8,900	\$6,800	\$1,700
<b>Total</b>	<b>\$55,800</b>	<b>\$19,700</b>	<b>\$18,100</b>	<b>\$10,500</b>
Importance Code A	\$4,100	\$3,200	\$10,900	\$8,600
Importance Code B	\$50,900	\$16,500	\$7,200	\$1,900
Importance Code C	\$800			
<b>Total</b>	<b>\$55,800</b>	<b>\$19,700</b>	<b>\$18,100</b>	<b>\$10,500</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**  
**ENGINE CO. 1/HOOK AND LADDER 24**  
**Asset # : 13001**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$21,000	
Masonry: Limestone	5%			LIFE	**	5	\$1,100	
Metal Panel	5%			2046	**	5-10	\$9,600	
Metal Sect. OHD	15%			2043	**	5	\$13,100	
Windows								
Aluminum	100%			2048	**	5	\$2,900	
Parapets								
Cast Stone/Terra Cotta	30%			LIFE	**	5	\$6,000	
Masonry: Brick	65%			LIFE	**	5	\$1,700	
Metal Rail	5%	Now	\$3,500	2046	**	5	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Guard Rails Missing On Upper Mechanical Roof Tops</i>								
Roof								
Roll Roofing	95%			2022	\$52,200	5	\$20,700	
<i>Other Observation, Extent : Light, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Alligating At Seams</i>								
Skylight, Metal/Glass	5%			2046	**	10	\$2,200	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$15,800	
Ceramic Tile	15%			2039	**	5	\$2,400	
Wood	40%	4+	\$4,300	2066	**	5	\$6,000	
<i>Deteriorated Finish, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2035	**	5	\$800	
Concrete Masonry Unit	5%			LIFE	**	5	\$300	
Gypsum Board	30%	Now	\$400	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Top Of Stairwell To Roof</i>								
Masonry: Brick	5%			LIFE	**			
Metal Panel	5%			LIFE	**			
Plaster	5%			LIFE	**	5	\$200	
SGFT/Glazed Masonry	25%			LIFE	**			
Wood	10%			LIFE	**	5	\$6,000	
Ceilings								
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	10%	Now	\$300	LIFE	**	5	\$2,000	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Ceiling And Skylight</i>								
Metal Panel	10%			LIFE	**	5	\$2,000	
Plaster	55%			LIFE	**	5	\$5,500	

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

Estimates are rounded to the nearest hundred dollars.

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
	Service Equipment							
	Fused Disc Sw	100%			2046	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 400 Amperes</i>					
	Switchgear / Switchboard							
	Fused Disc Sw	100%			2046	**	5	
	Raceway							
	Conduit	70%			2026	\$22,400	1	
	Conduit	30%			2046	**	1	
	Panelboards							
	Molded Case Bkrs	100%			2042	**	5	\$300
	Wiring							
	Thermoplastic	100%			2046	**	1	
	Motor Controllers							
	Locally Mounted	100%			2039	**	5	\$100
<b>Ground</b>								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$200
<b>Stand-by Power</b>								
	Transfer Switches							
	Automatic	100%			2039	**	1	\$3,500
	Generators							
	Diesel	100%			2035	**	1	\$4,400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : 65 Kilowatts Portable Type</i>					
	Batteries							
	Lead/Acid	100%			2020	\$1,500	5	\$400
	Fuel Storage							
	Main Tank	100%			2054	**	5	\$300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Below Generator</i>					
			<i>Explanation : Belly Tank</i>					
<b>Lighting</b>								

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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**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	25%			2031	**	10	\$2,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	25%			2031	**	10	\$2,600	
<i>T-5 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	20%			2031	**	10	\$2,100	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Corridors</i>								
HID	30%			2031	**	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Mostly Pendant Fixtures</i>								
<b>Egress Lighting</b>								
Emergency, Service	75%			2031	**	1		
Exit, LED	25%			2054	**	1		
<b>Exterior Lighting</b>								
HID	50%			2031	**	10		
HID	50%	Now	\$10,900	2031	**			
<i>Malfunctioning, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Exterior And Roof</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2046	**	1		
<b>Conversion Equipment</b>								
Furnace	50%			2031	**	1	\$2,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 4 Heating / Cooling Units</i>								
Hot Water Boiler	50%			2039	**	1	\$2,800	
<b>Distribution</b>								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,200	
Hot Wtr Piping/Pump	50%			2042	**	4	\$300	
<b>Terminal Devices</b>								
Convactor/Radiator	100%			2039	**	1	\$3,700	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2042	**	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. 1/HOOK AND LADDER 24**  
**Asset # : 13001**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	99%			2031	**	2	\$700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 4 - Heating / Cooling Units R-22</i>								
	Window/Wall Unit	1%			2021	\$200	1	
Distribution								
	Ductwork/Diffusers	99%			LIFE	**	2	\$14,600
	No Component	1%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,300
Exhaust Fans								
	Roof	80%			2031	**	2	\$300
	Wall Unit	20%			2031	**	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2046	**	1	
Water Heater								
	Gas Fired	100%			2021	\$6,600	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 100 Gallon Unit, 1-175 Gallon Unit</i>								
Sanitary Piping								
	Cast Iron	100%	Now	\$31,700	LIFE	**	1	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Reported That Main Drain Requires Monthly Cleaning. Reason For Required Cleaning Was Not Visible.</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Backflow Preventer								
	Generic	100%			2031	**	1	\$700
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	Generic	100%			2046	**	1-2	\$3,200
Chemical System								
	Generic	100%			2024	\$26,700	1-3	\$3,700

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 26-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 52 **Lot** : 22 **BIN** : 1075700

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$4,400		\$24,900	\$300
Interior Architecture	\$3,700	\$1,000		
Electrical	\$15,800	\$2,100	\$9,300	\$500
Mechanical	\$3,700	\$1,000	\$2,400	\$1,000
<b>Total</b>	<b>\$27,600</b>	<b>\$4,200</b>	<b>\$36,500</b>	<b>\$1,800</b>
Importance Code A	\$4,400	\$200	\$24,900	\$300
Importance Code B	\$23,100	\$3,400	\$11,700	\$1,500
Importance Code C		\$600		
<b>Total</b>	<b>\$27,600</b>	<b>\$4,200</b>	<b>\$36,500</b>	<b>\$1,800</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**  
**ENGINE CO. 10**  
**Asset # : 13009**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	75%			LIFE	**	5	\$19,000	
Metal Panel	20%			2047	**	5-10	\$34,800	
Wood Overhead Doors	5%			2032	**	5	\$6,300	
<b>Windows</b>								
Aluminum	100%			2043	**	5	\$600	
<b>Parapets</b>								
Cast Stone/Terra Cotta	10%	4+	\$2,400	LIFE	**	5	\$700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Main Roof</i>								
Masonry: Brick	70%			LIFE	**	5	\$600	
Metal Rail	20%			2040	**	5-10	\$3,300	
<b>Roof</b>								
Built-Up (BUR)	100%			2032	**	10	\$12,200	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	40%			LIFE	**	5	\$7,500	
Ceramic Tile	10%			2036	**	5	\$900	
Sheet Vinyl/Rubber	50%	Now	\$2,600	2032	**	5	\$3,200	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Corridor And Office</i>								
<b>Interior Walls</b>								
Ceramic Tile	10%			2036	**	5	\$1,200	
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	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	25%			2040	**	5	\$2,100	
Exposed Concrete	70%			LIFE	**	5	\$900	
Gypsum Board	5%			LIFE	**	5	\$500	
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Ceiling At Toilet And Locker Doorway</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2032	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2047	**	5		
<b>Raceway</b>								
Conduit	100%			2047	**	1		

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Under 600 Volts								
Panelboards								
	Molded Case Bkrs	50%			2043	**	5	\$100
	Molded Case Bkrs	50%			2035	**	5	\$100
Wiring								
	Thermoplastic	50%			2047	**	1	
	Thermoplastic	50%			2037	**	1	
Motor Controllers								
	Locally Mounted	100%			2040	**	5	
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Water Main</i>				
Stand-by Power								
Transfer Switches								
	Automatic	100%			2040	**	1	\$1,600
Generators								
	Diesel	100%			2036	**	1	\$2,100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 60 Kilowatts</i>				
Batteries								
	Lead/Acid	100%			2021	\$1,500	5	\$200
Fuel Storage								
	Main Tank	100%			2055	**	5	\$200
Lighting								
Interior Lighting								
	Fluorescent	45%			2022	\$6,600	10	\$2,200
	Fluorescent	10%			2027	\$1,500	10	\$500
				<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 2nd Floor</i>				
	Fluorescent	45%	0-2	\$6,600	2037	**		
				<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : 1st Floor, Second Floor, Stairwells</i>				
Egress Lighting								
	Exit, Service	50%			2027	\$300	1	
	Exit, Battery	50%			2027	\$1,000	10	\$200
Exterior Lighting								
	HID	100%			2027	\$20,400	10	
Alarm								
Security System								
	No Component	50%						
	Generic	50%	0-2	\$8,200	2037	**	1	\$900
				<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Various Locations</i>				

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

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

**Alarm**

## Fire/Smoke Detection

No Component

95%

Generic, Digital

5% Now

\$600 2032

\* \*

1-3

\$200

*Devices Missing, Extent : Moderate, Area Affected : 100%**Location : 1st - 3rd Floors**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : 1st - 3rd Floors*

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

**Heating**

## Energy Source

Utility Steam

100% Now

\$900 2047

\* \*

1

*Other Observation, Extent : Moderate, Area Affected : 10%**Location : Basement**Explanation : High Pressure Steam Pipe Needs Insulation And New Valves*

## Conversion Equipment

Pres. Reducing Valve/LP Steam

100%

2036

\* \*

5

\$300

## Distribution

Hot Wtr Piping/Pump

100%

2035

\* \*

4

\$300

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

## Terminal Devices

Convactor/Radiator

100%

2040

\* \*

1

\$1,700

**Air Conditioning**

## Energy Source

Electricity

100%

2043

\* \*

1

## Conversion Equipment

Window/Wall Unit  
No Component10%  
90%

2025

\$1,100

1

## Distribution

Ductwork/Diffusers

99%

LIFE

\* \*

2

\$6,800

No Component

1%

## Terminal Devices

Air Handler/Dir  
Expansion

95%

2032

\* \*

1

*Other Observation, Extent : Light, Area Affected : 5%**Location : Kitchen Ceiling**Explanation : Condensate Drips*

No Component

5%

## Heat Rejection

Air Cooled Condenser  
Unit

90%

2027

\$900

2

\$3,300

No Component

10%

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,000
Exhaust Fans								
	Interior	5%			2032	**	2	
	Roof	80%			2032	**	2	\$100
	Roof	15%	Now	\$1,300	2037	**	2	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Roof - Serves Locker Room</i>								
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2037	**	1	
Water Heater								
	Electric	100%			2025		4	\$4,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 119 Gallon Units</i>								
HW Heat Exchanger								
	HTHW/HW	100%			2037	**		
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%	Now	\$1,100	LIFE	**	1	
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
Sump Pump(s)								
	Submersible	100%			2020		4	\$200
Backflow Preventer								
	Not Accessible	100%						
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Wet	10%			2025		1-3	\$400
	No Component	90%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 28-Mar-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 846 **Lot** : 66 **BIN** : 1016141

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$120,200	
Electrical		\$95,600
<b>Total</b>	<b>\$120,200</b>	<b>\$95,600</b>
Importance Code A	\$120,200	
Importance Code B		\$95,600
<b>Total</b>	<b>\$120,200</b>	<b>\$95,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$16,400		\$3,900	
Interior Architecture	\$65,500	\$600		\$200
Electrical	\$2,800	\$300	\$300	\$400
Mechanical	\$9,100	\$700	\$8,700	\$800
<b>Total</b>	<b>\$93,800</b>	<b>\$1,600</b>	<b>\$13,000</b>	<b>\$1,400</b>
Importance Code A	\$16,900	\$500	\$4,400	\$500
Importance Code B	\$69,500	\$500	\$8,500	\$900
Importance Code C	\$7,400	\$600		
<b>Total</b>	<b>\$93,800</b>	<b>\$1,600</b>	<b>\$13,000</b>	<b>\$1,400</b>



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

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Exterior Walls									
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$12,300		
Masonry: Brick	65%			LIFE	**	5	\$10,200		
Masonry: Granite	5%	Now	\$9,700	LIFE	**	5	\$600		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : At Base</i>									
Masonry: Limestone	10%			LIFE	**	5	\$1,200		
Wood Overhead Doors	10%			2032	**	5	\$7,900		
Windows									
Wood	100%	Now	\$62,300	2052	**	5	\$10,900		
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
<i>Split/Cracked, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Throughout</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Throughout</i>									
Parapets									
Cast Stone/Terra Cotta	25%	Now	\$2,400	LIFE	**	5	\$1,100		
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Front Facade</i>									
Masonry: Brick	70%			LIFE	**	5	\$400		
Metal Rail	5%			2040	**	5-10	\$500		
Roof									
Asphalt Shingle	10%	0-2	\$300	2036	**				
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Raised Roof Area Towards Front Of Building</i>									
Modified Bitumen	85%	0-2	\$57,800	2037	**				
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Raised Roof Area Towards Front Of Building</i>									
Skylight, Metal/Glass	5%	Now	\$3,700	2037	**				
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Over Third Floor</i>									

Interior

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$9,600	
Ceramic Tile	5%	Now	\$2,600	2036	**	5	\$200	
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor Laundry Room And 3rd Floor Bathroom</i>								
Quarry Tile	5%			2040	**	5	\$700	
Vinyl Tile	20%	Now	\$15,300	2037	**	3	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
Wood	20%	Now	\$11,800	2042	**	5	\$1,600	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Third Floor</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor</i>								
Interior Walls								
Ceramic Tile	10%			2036	**	5	\$1,200	
Masonry: Brick	15%			LIFE	**			
Plaster	75%	Now	\$7,400	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Side</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2044	**	5	\$400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor Office</i>								
Embossed Metal	70%	Now	\$27,600	LIFE	**	5	\$2,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Third Floor</i>								
Exposed Concrete	20%			LIFE	**	5	\$300	
Gypsum Board	5%	0-2	\$500	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Attic Ceiling Due To Roof Leaks</i>								
Site Enclosure								
Free Standing Walls								
Cast in Place Concrete	100%			2062	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2040	**			
Activity Yard								
Cast in Place Concrete	100%			2040	**			

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2037	**	5		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Main Service Rated At 400 Amperes</i>						
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Molded Case Bkrs	100%			2035	**	5	\$100	
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Overhead Door Operators</i>						
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	5%			2027	\$700	10	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Compact Fluorescent Lamps</i>						
LED	95%			2027	\$41,600			
		<i>Recent Installation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Exterior Lighting								
HID	100%			2027	\$19,700	10		
<b>Alarm</b>								
Fire/Smoke Detection								
Generic, Analog	100%	Now	\$2,700	2027	\$54,000	1-3	\$2,900	
		<i>Devices Missing, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2037	**	1		

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Steam Boiler	100%			2040	**	1	\$5,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2047	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%	Now	\$5,200	2032	**	1	\$1,500	
<i>Noisy/Vibrating, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All Floors</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Antiquated, Temp Supports</i>								
Air Conditioning								
Energy Source Electricity	100%			2035	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2022		1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$300	
No Component	90%							
Exhaust Fans								
Roof	10%			2027		2	\$800	
Wall Unit	10%			2022		2	\$200	
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%	4+	\$300	2025		2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 75 Gallon Unit. Flue Needs Repair</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	50%			LIFE	**	1		
Cast Iron	50%	Now	\$3,100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Cellar And Floor Drain</i>								
<i>Leak Evident, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Cellar</i>								

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>			
<b>System</b>	<b>Component</b>	<b>% of</b>	<b>Fail Date</b>	<b>Estimated Cost</b>	<b>Year</b>	<b>Estimated Cost</b>	<b>Cycle</b>	<b>Estimated Cost</b>	<b>Priority</b>
	<b>Type</b>	<b>Total</b>	<b>(Years)</b>		<b>FY</b>		<b>(Yrs)</b>		
Plumbing									
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Wet	10%			2022	\$2,700	1-3	\$400	
	No Component	90%							

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 12-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 8040 **Lot** : 10 **BIN** : 5089056

**CAPITAL**

**Total**

Importance Code

**Total**

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$16,200			
Interior Architecture	\$28,200	\$400	\$800	\$500
Electrical	\$800	\$2,300	\$600	\$600
Mechanical	\$2,000	\$1,200	\$7,900	\$1,100
Site Enclosure	\$2,900			
<b>Total</b>	<b>\$50,100</b>	<b>\$3,800</b>	<b>\$9,300</b>	<b>\$2,200</b>
Importance Code A	\$16,900	\$700	\$700	\$700
Importance Code B	\$23,800	\$3,000	\$8,600	\$1,500
Importance Code C	\$9,400	\$200		
<b>Total</b>	<b>\$50,100</b>	<b>\$3,800</b>	<b>\$9,300</b>	<b>\$2,200</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**  
**ENGINE CO. 151/LADDER CO. 76**  
**Asset # : 13081**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$16,000	
Masonry: Granite	5%	4+	\$2,800	LIFE	**	5	\$900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Door Jamb</i>								
Masonry: Limestone	5%			LIFE	**	5	\$900	
Stucco Cement	5%	0-2	\$3,400	2032	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair Bulkhead</i>								
Wood Overhead Doors	15%			2044	**	5	\$17,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Door Replaced With Fiberglass Ohd</i>								
Windows								
Aluminum	100%			2035	**	5	\$1,900	
Parapets								
Masonry: Brick	80%	0-2	\$6,500	LIFE	**	5	\$2,200	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	20%			LIFE	**	5	\$700	
Roof								
Asphalt Shingle	8%			2036	**	10	\$100	
Modified Bitumen	90%	4+	\$2,600	2032	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Loose Lumber Materials And Platforms Impacting New Membrane.</i>								
Skylight, Metal/Glass	2%			2047	**	10	\$700	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$1,100	LIFE	**	5	\$11,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Roof Bulkhead Landing</i>								
Ceramic Tile	3%			2036	**	5	\$300	
Quarry Tile	10%			2032	**	5	\$1,600	
Terrazzo	2%			LIFE	**	5	\$200	
Vinyl Tile	35%	0-2	\$15,900	2027	\$31,900	3	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout 2nd Floor</i>								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 151/LADDER CO. 76**  
**Asset # : 13081**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	3%			2036	**	5	\$400	
Masonry: Brick	10%			LIFE	**			
Plaster	30%	Now	\$6,500	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stairwell And Hose Tower Bulkhead</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bathroom Areas</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stairwell And Hose Tower Bulkhead</i>								
SGFT/Glazed Masonry	45%			LIFE	**			
Wood	2%			LIFE	**	5	\$1,100	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%	4+	\$400	2032	**	5	\$500	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	60%			LIFE	**	5	\$1,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Ceiling</i>								
Plaster	30%	Now	\$4,200	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Hose Tower</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2037	**			
<b>Free Standing Walls</b>								
Concrete Masonry Unit	100%	Now	\$2,900	2037	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Top Of Wall At Rear Yard</i>								
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2032	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amp</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 151/LADDER CO. 76**  
**Asset # : 13081**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
Raceway								
	Conduit	75%			2027	\$24,000	1	
	Conduit	25%			2047	**	1	
Panelboards								
	Fused Disc Sw	50%			2043	**	5	\$100
	Molded Case Bkrs	25%			2035	**	5	
	Molded Case Bkrs	25%			2043	**	5	
Wiring								
	Thermoplastic	100%			2037	**	1	
Motor Controllers								
	Locally Mounted	100%			2040	**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Overhead Door Operators</i>								
<b>Ground</b>								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
<b>Stand-by Power</b>								
Transfer Switches								
	Automatic	100%			2040	**	1	\$2,200
Generators								
	Diesel	100%			2036	**	1	\$2,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outdoor</i>								
<i>Explanation : 60 Kw</i>								
Batteries								
	Lead/Acid	100%			2021	\$1,500	5	\$300
Fuel Storage								
	Main Tank	100%			2055	**	5	\$200
<b>Lighting</b>								
Interior Lighting								
	Fluorescent	95%			2027	\$18,400	10	\$6,100
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
	Incandescent	5%			2027	\$2,300	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Incandescent Lamps</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 151/LADDER CO. 76**  
**Asset # : 13081**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Exterior Lighting HID	60%			2032	**	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Switch Operated</i>								
Incandescent	10%			2027	\$2,300	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Switch Operated</i>								
No Component	30%							
<b>Lightning Protection</b>								
Arresters/Cabling Generic	100%			2055	**	5	\$200	
<b>Alarm</b>								
Fire/Smoke Detection No Component Generic, Analog	80%			2027	\$14,800	1-3	\$900	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2047	**	1		
Conversion Equipment Furnace	10%			2032	**	1	\$400	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Floor Lounge</i>								
<i>Explanation : Gas Fireplace</i>								
Steam Boiler	90%			2040	**	1	\$6,300	
Distribution Central Plant Steam Piping/Pmp	100%			2047	**	4	\$300	
Terminal Devices Convactor/Radiator	100%			2032	**	1	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : All Original Equipment</i>								
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2043	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 151/LADDER CO. 76**  
**Asset # : 13081**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Split Unit	10%			2027	\$14,300		
	Window/Wall Unit	50%			2022	\$7,000	1	
	No Component	40%						
Ventilation								
Exhaust Fans								
	Interior	90%	Now	\$1,100	2027	\$21,500	2	\$200
			<i>Broken, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : 1st Floor Bathroom</i>					
	Wall Unit	10%			2032	**	2	
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Exterior Wall</i>					
			<i>Explanation : Kitchen Hood Exhaust</i>					
Plumbing								
H/C Water Piping								
	Brass/Copper	10%			2047	**	1	
	Galvanized Steel	90%			2032	**	1	
			<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Cellar</i>					
			<i>Explanation : No Dielectric Union Between Copper And Galvanized Pipe</i>					
Water Heater								
	Gas Fired	100%			2025	\$4,100	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Cellar</i>					
			<i>Explanation : One 75 Gallon Heater</i>					
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2021	\$200	4	\$200
Backflow Preventer								
	No Component	90%						
	Generic	10%			2032	**	1	
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Cellar</i>					
			<i>Explanation : On Boiler Make Up Water Feed</i>					
Fixtures								
	Generic	100%						
			<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : All Bathrooms</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 152  
**Address** : 256 HYLAN BOULEVARD  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.152 / 13082 **Yr Built/Renovated** : 1930 /  
**Area Sq Ft** : 6,128 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 04-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 2856 **Lot** : 15 **BIN** : 5042846

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$113,700	
Interior Architecture	\$89,300	
Electrical		\$79,400
<b>Total</b>	<b>\$203,000</b>	<b>\$79,400</b>
Importance Code A	\$113,700	
Importance Code B	\$89,300	\$79,400
<b>Total</b>	<b>\$203,000</b>	<b>\$79,400</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$15,400		\$2,600	
Interior Architecture	\$38,300		\$300	\$400
Electrical	\$2,400	\$500	\$48,000	\$1,000
Mechanical	\$43,100	\$1,000	\$3,600	\$900
Site Pavements	\$2,300			
<b>Total</b>	<b>\$101,600</b>	<b>\$1,500</b>	<b>\$54,500</b>	<b>\$2,300</b>
Importance Code A	\$16,100	\$600	\$3,200	\$600
Importance Code B	\$61,000	\$900	\$51,300	\$1,700
Importance Code C	\$24,500			
<b>Total</b>	<b>\$101,600</b>	<b>\$1,500</b>	<b>\$54,500</b>	<b>\$2,300</b>



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 152**  
**Asset # : 13082**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$16,800	
Masonry: Granite	3%			LIFE	**	5	\$500	
Masonry: Limestone	7%	4+	\$8,200	LIFE	**	5	\$1,100	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Jamb At Overhead Doors</i>								
Masonry: Sandstone	5%			LIFE	**	5	\$800	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Bluestone Window Lintels Throughout</i>								
Wood Overhead Doors	5%			2032	**	5	\$5,200	
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	4+	\$7,300	2035	**	5	\$900	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : Perimeter Sealant At All Windows</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$2,100	
Masonry: Limestone	20%			LIFE	**	5	\$700	
Roof								
Modified Bitumen	97%	0-2	\$113,700	2037	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Hylan Boulevard Elevation</i>								
<i>Seams Open/Split, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	3%			2047	**	10	\$800	

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 152**  
**Asset # : 13082**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$48,700	LIFE	**	5	\$10,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Main Entrance And At Several Locations On Apparatus Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement At All Elevations, Cellar Stairs</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Floor Is Currently Shored By Steel Columns, Repair Or Replacement Is Required</i>								
Ceramic Tile	5%			2030	**	5	\$500	
Quarry Tile	5%			2032	**	5	\$700	
Terrazzo	5%	Now	\$400	LIFE	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Office Space By Entrance</i>								
Vinyl Tile	35%	2-4	\$11,100	2037	**	3	\$1,200	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Vinyl Base</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	25%	Now	\$19,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Diagonal Cracks At North And West Foundation</i>								
Ceramic Tile	10%			2030	**	5	\$1,200	
Gypsum Board	5%			LIFE	**	5	\$400	
Marble Panels	5%			LIFE	**			
Plaster	25%	0-2	\$2,400	LIFE	**	5	\$900	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Stair And Bathroom</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Wood	5%			LIFE	**	5	\$2,400	

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

Estimates are rounded to the nearest hundred dollars.

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	20%			2044	**	5	\$1,800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	45%	Now	\$40,700	LIFE	**	5	\$600	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Apparatus Floor Is Temporarily Shored With Steel Columns, Replacement Is Required.</i>								
Plaster	35%	Now	\$4,300	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Throughout</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2037	**			
<b>Retaining Walls</b>								
Cast in Place Concrete	100%			2047	**			
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%	Now	\$2,300	2040	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Pavement Located Adjacent To Generator</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2027	\$4,900	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service 200 Amp</i>								
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%			2027	\$49,900	5		
<b>Raceway</b>								
Conduit	95%			2027	\$30,400	1		
Conduit	5%			2047	**	1		

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Panelboards</b>								
Molded Case Bkrs	75%			2026	\$29,500	5	\$100	
Molded Case Bkrs	25%			2043	**	5		
<b>Wiring</b>								
Thermoplastic	100%			2037	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2025	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Motor Controller For Overhead Door</i>								
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%	0-2	\$1,900	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
Automatic	100%			2040	**	1	\$1,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Rating Not Visible</i>								
<b>Generators</b>								
Diesel	100%			2036	**	1	\$2,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior Side Yard</i>								
<i>Explanation : Rated At 40 Kva</i>								
<b>Batteries</b>								
Nickel Cadmium	100%			2022	\$1,500	5	\$1,400	
<b>Fuel Storage</b>								
Day Tank	100%			2043	**	5	\$1,100	
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	100%			2022	\$17,000	10	\$5,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Exterior Lighting</b>								
HID	75%			2022	\$17,700	10		
<i>Outdr Lights On During Daytime, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Exterior</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Operated Via Photocell</i>								
Incandescent	25%			2022	\$5,000	2		

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$6,100	
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$500	
Terminal Devices								
Convactor/Radiator	90%			2025	\$28,200	1	\$1,800	
Convactor/Radiator	10%	Now	\$300	2032	**	1	\$200	
<i>Malfunctioning, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Radiator</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Radiator Valves Missing/ Broken</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Window/Wall Unit	60%			2025	\$7,300	1		
Window/Wall Unit	20%	Now	\$2,400	2027	\$2,400	1		
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Not Operating</i>								
No Component	20%							
Dehumidifier								
Generic	100%			2028	\$200			
Ventilation								
Exhaust Fans								
Interior	10%	Now	\$2,100	2037	**	2		
<i>Unit Inoperable, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof</i>								
Interior	70%			2027	\$14,600	2	\$100	
Roof	10%			2032	**	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Kitchen Exhaust</i>								
Wall Unit	10%	Now	\$100	2032	**	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Plumbing								

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	20%	2-4	\$4,400	2037	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
H/C Water Piping	Galvanized Steel	80%	4+	\$8,200	2032	**	1	
<i>Corroded, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Not Insulated, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Dielectric Fittings</i>								
Water Heater	Gas Fired	100%			2025	\$3,600	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Two 75 Gallon Heaters</i>								
Sanitary Piping	Cast Iron	100%	4+	\$17,100	LIFE	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Storm Drain Piping	Cast Iron	100%	4+	\$7,300	LIFE	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Sump Pump(s)	Submersible	100%			2020	\$200	4	\$200
Backflow Preventer	No Component	95%						
Backflow Preventer	Generic	5%			2035	**	1	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Boiler Feed</i>								
Fixtures	Generic	100%						
<i>Obsolete Fixtures, Extent : Light, Area Affected : 40%</i>								
<i>Location : 2nd Floor</i>								
Fire Suppression								
Chemical System	Wet	10%			2022	\$2,700	1-3	\$400
Chemical System	No Component	90%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 04-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 529 **Lot** : 9 **BIN** : 5013836

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$245,000	\$163,600
Interior Architecture	\$78,400	
Mechanical		\$212,600
Site Pavements	\$36,700	
<b>Total</b>	<b>\$360,200</b>	<b>\$376,200</b>
Importance Code A	\$245,000	\$222,400
Importance Code B	\$78,400	\$153,800
Importance Code C	\$36,700	
<b>Total</b>	<b>\$360,200</b>	<b>\$376,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$70,100			\$1,200
Interior Architecture	\$63,800	\$200		
Electrical	\$2,000	\$100	\$14,000	\$100
Mechanical	\$50,100	\$1,300	\$12,900	\$1,600
Site Pavements	\$12,500			
<b>Total</b>	<b>\$198,500</b>	<b>\$1,600</b>	<b>\$26,900</b>	<b>\$2,900</b>
Importance Code A	\$71,100	\$900	\$900	\$2,200
Importance Code B	\$113,300	\$600	\$25,900	\$700
Importance Code C	\$14,200			
<b>Total</b>	<b>\$198,500</b>	<b>\$1,600</b>	<b>\$26,900</b>	<b>\$2,900</b>



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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$109,300	LIFE	**	5	\$17,800	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stair Bulkhead</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Rusted Relieving Angles At Windows</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Facade, West Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%	4+	\$14,600	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Chipped Corners At Overhead Doors</i>								
Masonry: Limestone	10%	4+	\$26,400	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Entrance</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Cornice</i>								
Wood Overhead Doors	10%			2040	**	5	\$11,800	
Windows								
Aluminum	100%	4+	\$14,000	2043	**	5	\$800	
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
Parapets								
Cast Stone/Terra Cotta	10%	0-2	\$9,200	LIFE	**	5	\$2,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Terra Cotta Copings Are Broken</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Deteriorated Mortar Joints At Coping Units, Various Locations</i>								
Masonry: Brick	90%			LIFE	**	5	\$3,200	
Roof								
Modified Bitumen	95%	2-4	\$98,200	2027	\$163,600			
<i>Blisters, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof Broad Street Corner</i>								
<i>Drains Clogged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	3%			2053	**	10	\$1,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : Hook And Ladder Side Of Roof</i>								
Skylight, Metal/Glass	2%	Now	\$37,500	2057	**			1
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Second Floor - Skylight Deteriorated</i>								

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior Floors								
Cast in Place Concrete	75%	Now	\$21,100	LIFE	**	5	\$21,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i> <i>Location : Glass Block Pavement At Side Yard</i> <i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i> <i>Location : Diagonal Cracks At The 1st And 2nd Floor Throughout</i> <i>Water Penetration, Extent : Severe, Area Affected : 50%</i> <i>Location : Basement Towards Front Of Building</i>								
Ceramic Tile	10%	2-4	\$1,300	2036	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i> <i>Location : Kitchen And Bathroom At 1st Floor</i>								
Quarry Tile	5%	0-2	\$7,800	2032	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 70%</i> <i>Location : Kitchen</i> <i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i> <i>Location : Bathroom 2nd Floor</i>								
Vinyl Tile	10%			2027	\$11,500	3	\$500	
Interior Walls								
Ceramic Tile	10%	4+	\$1,000	2036	**	5	\$900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i> <i>Location : Apparatus Floor</i>								
Masonry: Brick	60%	0-2	\$8,700	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i> <i>Location : First Floor</i>								
Plaster	30%	Now	\$4,500	LIFE	**	5	\$1,600	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 25%</i> <i>Location : Various Second Floor Locations</i> <i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i> <i>Location : Hose Tower</i> <i>Water Penetration, Extent : Moderate, Area Affected : 30%</i> <i>Location : Kitchen, Second Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	10%			2040	**	5	\$1,300	
Exposed Struc: Steel	55%	Now	\$78,400	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 75%</i> <i>Location : Steel In Cellar Boiler Room Near Foundation Wall Is Deteriorating</i> <i>Other Observation, Extent : Light, Area Affected : 25%</i> <i>Location : 1st Floor Framing</i> <i>Explanation : Missing Fireproofing</i>								
Plaster	35%	Now	\$18,700	LIFE	**	5	\$2,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i> <i>Location : Second Floor Around Skylight Area</i> <i>Water Penetration, Extent : Severe, Area Affected : 30%</i> <i>Location : Second Floor Around Skylight Area</i>								
Site Pavements								

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Lighting</b>								
Interior Lighting Fluorescent	75%			2027	\$19,700	10	\$6,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	25%			2022	\$6,600	10	\$2,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
Egress Lighting Exit, Service	25%			2027	\$300	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Only</i>								
<i>Explanation : Exit Lights Observed</i>								
No Component	75%							
Exterior Lighting HID	100%			2032	* *	10		
<b>Alarm</b>								
Fire/Smoke Detection No Component Generic, Analog	90%							
	5%	Now	\$300	2037	* *	1-3	\$300	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Battery Operated Smoke Detectors Missing</i>								
Generic, Analog	5%			2022	\$5,000	1-3	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Hardwired Smoke Detectors Observed</i>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source Natural Gas	100%			2037	* *	1		
<i>Corroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Ground Water In Basement</i>								
Conversion Equipment Steam Boiler	100%			2025	\$58,800	1	\$9,400	
Distribution Central Plant Steam Piping/Pmp	100%			2027	\$153,800	4	\$500	
Terminal Devices Convactor/Radiator	100%			2032	* *	1	\$3,100	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2049	* *	1		

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	60%			2022	\$11,400	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%	Now	\$1,700	LIFE	**	2-5	\$1,100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen Hood</i>								
<i>Explanation : Improper Installation</i>								
No Component	80%							
Exhaust Fans								
Interior								
	20%	Now	\$6,500	2037	**	2		
<i>Broken, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Bathrooms</i>								
Interior	60%			2032	**	2	\$200	
Roof	10%			2035	**	2		
Roof	10%	Now	\$1,500	2037	**	2		
<i>Damaged, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	90%			2037	**	1		
Galvanized Steel	10%			2032	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : No Dielectric Fittings At Connection.</i>								
Water Heater								
Gas Fired	100%			2025	\$5,500	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : 75 Gallon Water Heater</i>								
Sanitary Piping								
Cast Iron								
	40%	0-2	\$26,600	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cellar Level</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Explanation : Pipe Hangers Disintegrated</i>								
Cast Iron	60%			LIFE	**	1		
Storm Drain Piping								
Cast Iron								
	90%	Now	\$10,200	LIFE	**	1		
<i>Corroded, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Basement</i>								
Cast Iron	10%	0-2	\$1,900	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Roof Drain</i>								

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

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Sump Pump(s) Submersible	100%			2020	\$300	4	\$300
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : Natural Stream Near Firehouse. Sumps Constantly Running</i>								
<hr/>								
	Backflow Preventer Generic	10%			2032	**	1	\$100
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : On Boiler Make Up Water Feed</i>								
	Generic	90%			2032	**	1	\$500
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : On Main Water Service</i>								
<hr/>								
<b>Fixtures</b>								
	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 12-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Floors 1,2  
**Block** : 2665 **Lot** : 25 **BIN** : 5041882

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$129,200	
Interior Architecture		\$23,400
Electrical		\$39,400
<b>Total</b>	<b>\$129,200</b>	<b>\$62,800</b>
Importance Code A	\$129,200	
Importance Code B		\$62,800
<b>Total</b>	<b>\$129,200</b>	<b>\$62,800</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$8,700		\$2,000	
Interior Architecture	\$22,900	\$2,800		\$300
Electrical	\$3,500	\$800	\$20,400	\$700
Mechanical	\$1,000	\$700	\$7,000	\$1,000
Site Pavements	\$9,400			
<b>Total</b>	<b>\$45,400</b>	<b>\$4,300</b>	<b>\$29,400</b>	<b>\$2,000</b>
Importance Code A	\$9,100	\$400	\$2,500	\$400
Importance Code B	\$10,100	\$2,400	\$26,900	\$1,600
Importance Code C	\$26,200	\$1,400		
<b>Total</b>	<b>\$45,400</b>	<b>\$4,300</b>	<b>\$29,400</b>	<b>\$2,000</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.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 154/S.I. BORO COMMAND**  
**Asset # : 13084**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%	Now	\$3,700	2037	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Porch Addition At Back Yard</i>								
Cast in Place Concrete	10%			LIFE	**	5	\$10,800	
Masonry: Brick	75%			LIFE	**	5	\$16,200	
Metal Sect. OHD	10%			2040	**	5	\$6,700	
Windows								
Aluminum	100%	Now	\$129,200	2052	**	5	\$1,500	
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Thermally Inefficient</i>								
Parapets								
Metal Cornice	30%			2042	**	10	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Metal Coping At Perimeter</i>								
Not Accessible	70%							
Roof								
Asphalt Shingle	3%	0-2	\$1,600	2042	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Roof At Rear</i>								
Not Accessible	96%							
Not Accessible	1%							
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$11,800	
Ceramic Tile	8%			2036	**	5	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Under Construction</i>								
Ceramic Tile	7%			2036	**	5	\$900	
Terrazzo	5%			LIFE	**	5	\$500	
Vinyl Tile	20%			2027		3	\$1,000	
Vinyl Tile	20%			2032	**	3	\$1,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Bunk Areas</i>								
<i>Explanation : Under Construction</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. 154/S.I. BORO COMMAND**  
**Asset # : 13084**

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

## Interior

## Interior Walls

Ceramic Tile	7%			2036	**	5	\$1,300	
Ceramic Tile	8%			2036	**	5	\$1,500	

*Other Observation, Extent : Light, Area Affected : 50%*

*Location : 2nd Floor*

*Explanation : Under Construction*

Concrete Masonry Unit	15%			LIFE	**	5	\$1,100	
Gypsum Board	5%			LIFE	**	5	\$600	
Plaster	20%			LIFE	**	5	\$1,100	
SGFT/Glazed Masonry	45%	Now	\$16,800	LIFE	**			

*Broken/Missing Elements, Extent : Moderate, Area Affected : 10%*

*Location : 1st Floor Apparatus Area*

## Ceilings

AcousTileSusp.Lay-In	55%			2040	**	5	\$7,400	
Gypsum Board	5%	0-2	\$2,100	LIFE	**	5	\$800	

*Water Penetration, Extent : Moderate, Area Affected : 15%*

*Location : 1st Floor Rear*

Plaster	20%			LIFE	**	5	\$1,700	
Plaster	20%			LIFE	**	5	\$1,700	

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

*Location : 2nd Floor*

*Explanation : Under Construction*

## Site Enclosure

## Fence/Gates

Chain Link	100%			2037	**			
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## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%			2032	**			
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## Parking/Driveway

Cast in Place Concrete	100%	Now	\$9,400	2032	**			
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*Broken/Missing Elements, Extent : Moderate, Area Affected : 30%*

*Location : Apparatus Entrance*

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

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2037	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : 1st Floor Electrical Room*

*Explanation : 400 Amperes*

## Raceway

Conduit	100%			2027	\$32,000	1		
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## Panelboards

Molded Case Bkrs	100%			2026	\$39,400	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. 154/S.I. BORO COMMAND**  
**Asset # : 13084**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Under 600 Volts								
Wiring								
	Braided Cloth	30%			2026	\$8,500	1	
	Thermoplastic	70%			2037	**	1	
Motor Controllers								
	Locally Mounted	100%			2032	**	5	\$100
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
Stand-by Power								
Transfer Switches								
	Automatic	100%			2032	**	1	\$2,800
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 400 Amperes, 3 Poles</i>							
Generators								
	Diesel	100%			2030	**	1	\$3,500
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Side Yard</i>							
	<i>Explanation : Exterior</i>							
Batteries								
	Lead/Acid	100%			2020	\$1,500	5	\$300
Fuel Storage								
	Day Tank	25%			2035	**	5	\$400
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Inside Emergency Generator Enclosure</i>							
	<i>Explanation : Sub-Base Diesel Fuel Tank</i>							
	Main Tank	75%			2042	**	5	\$200
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Above Ground, Side Yard</i>							
	<i>Explanation : 500 Gallon Diesel Fuel Tank</i>							
Lighting								
Interior Lighting								
	Fluorescent	30%			2022	\$7,500	10	\$2,500
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout Building</i>							
	Fluorescent	65%			2027	\$16,200	10	\$5,400
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout Building</i>							
	Incandescent	5%			2027	\$2,900	2	
Egress Lighting								
	Emergency, Service	50%			2022	\$2,300	1	
	No Component	50%						
Exterior Lighting								
	HID	75%			2032	**	10	
	Incandescent	25%			2022	\$7,400	2	
Alarm								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 154/S.I. BORO COMMAND**  
**Asset # : 13084**

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

**Alarm**

## Fire/Smoke Detection

No Component

95%

Generic, Digital

5% Now

\$1,000

2037

\* \*

1-3

\$200

*Devices Missing, Extent : Moderate, Area Affected : 100%**Location : First Floor**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : First Floor*

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

**Heating**

## Energy Source

Natural Gas

100%

2047

\* \*

1

## Conversion Equipment

Hot Water Boiler

100%

2040

\* \*

1

\$4,500

## Distribution

Hot Wtr Piping/Pump

100%

2043

\* \*

4

\$400

## Terminal Devices

Convactor/Radiator

80%

2040

\* \*

1

\$2,300

Unit Heater - Steam

20%

2027

\$6,200

4

\$200

**Air Conditioning**

## Energy Source

Electricity

100%

2043

\* \*

1

## Conversion Equipment

Split Unit

15%

2032

\* \*

Window/Wall Unit

35%

2022

\$6,300

1

No Component

20%

Under Construction

30%

*Other Observation, Extent : Light, Area Affected : 0%**Location : 2nd Floor**Explanation : Under Construction***Ventilation**

## Distribution

Not Accessible

100%

## Exhaust Fans

Wall Unit

25%

2027

\$800

2

\$100

Not Accessible

75%

**Plumbing**

## H/C Water Piping

Brass/Copper

100%

2047

\* \*

1

*Not Insulated, Extent : Light, Area Affected : 50%**Location : 1st 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. 154/S.I. BORO COMMAND**  
**Asset # : 13084**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Plumbing</b>								
	Water Heater Gas Fired	100%		2025	\$5,300	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
	Sanitary Piping Cast Iron	100%		LIFE	**	1		
	Storm Drain Piping Cast Iron	100%		LIFE	**	1		
	Sump Pump(s) Non-Submersible	100%		2032	**	4	\$300	
	Sewage Ejector(s) Electric	100%		2032	**	4	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : Duplex Unit</i>								
<b>Fixtures</b>								
	Under Construction	70%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Bathrooms Under Construction</i>								
	Generic	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.*

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 05-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 103 **Lot** : 20 **BIN** : 5002472

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$65,000	\$200,700
Electrical		\$72,400
Site Pavements	\$73,200	
<b>Total</b>	<b>\$138,200</b>	<b>\$273,100</b>
Importance Code A	\$65,000	\$200,700
Importance Code B		\$72,400
Importance Code C	\$73,200	
<b>Total</b>	<b>\$138,200</b>	<b>\$273,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$58,900	\$1,400		
Interior Architecture	\$17,200	\$200		\$400
Electrical	\$17,100	\$400	\$4,400	\$500
Mechanical	\$1,100	\$1,100	\$10,700	\$800
<b>Total</b>	<b>\$94,300</b>	<b>\$3,100</b>	<b>\$15,100</b>	<b>\$1,700</b>
Importance Code A	\$59,600	\$2,000	\$600	\$600
Importance Code B	\$23,900	\$1,100	\$14,500	\$1,100
Importance Code C	\$10,800			
<b>Total</b>	<b>\$94,300</b>	<b>\$3,100</b>	<b>\$15,100</b>	<b>\$1,700</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**  
**ENGINE CO. 155/LADDER CO. 78**  
**Asset # : 13085**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	76%	2-4	\$65,000	LIFE	**	5	\$21,100	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parapet Area Front (North) Elevation</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front (north) And Side (East) Elevations</i>								
Masonry: Granite	1%			LIFE	**	5	\$200	
Masonry: Limestone	13%	4+	\$8,100	LIFE	**	5	\$2,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	10%			2025	\$89,700	5	\$13,900	
Windows								
Aluminum	85%	0-2	\$27,000	2035	**	5	\$800	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Window Lintels Along Front (North) Elevation</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 2nd Floor Front</i>								
Wood	15%			2026	\$8,000	5	\$2,800	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Floor Side</i>								
<i>Explanation : Glass Block At Exterior Side Of Wood Windows</i>								
Parapets								
Cast Stone/Terra Cotta	20%	Now	\$2,400	LIFE	**	5	\$2,900	
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Coping At Side Wall Parapet And Throughout</i>								
Masonry: Brick	75%			LIFE	**	5	\$1,400	
Masonry: Limestone	5%	4+	\$2,000	LIFE	**	5	\$100	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front (north) Has Been Poorly Repaired</i>								
Roof								
Asphalt Shingle	10%			2036	**	10	\$200	
Modified Bitumen	88%	0-2	\$11,100	2027	\$111,000			
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	2%	Now	\$1,400	2047	**			1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Broken Glazing At Roof Scuttle</i>								

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. 155/LADDER CO. 78**  
**Asset # : 13085**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	60%	0-2	\$5,800	LIFE	**	5	\$12,000	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2036	**	5	\$500	
Quarry Tile	3%			2040	**	5	\$400	
Vinyl Tile	32%			2032	**	3	\$1,500	
<b>Interior Walls</b>								
Cast in Place Concrete	15%	4+	\$6,100	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2040	**	5	\$1,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Gypsum Board	10%			LIFE	**	5	\$800	
Plaster	40%	0-2	\$4,100	LIFE	**	5	\$1,500	
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Roof Scuttle And Basement</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2044	**	5	\$900	
Exposed Concrete	30%			LIFE	**	5	\$400	
Exposed Struc: Steel	20%			LIFE	**			
Plaster	40%			LIFE	**	5	\$2,300	
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2037	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2032	**			
<b>Parking/Driveway</b>								
Asphalt	100%	2-4	\$73,200	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rear Parking Lot</i>								

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

Under 600 Volts

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
	Fused Disc Sw	100%			2037	**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : 200 Amp</i>								
<hr/>								
<b>Raceway</b>								
	Conduit	80%			2037	**	1	
	Conduit	20%	4+	\$2,600	2037	**	1	
<i>Covers Missing, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor</i>								
<hr/>								
<b>Panelboards</b>								
	Molded Case Bkrs	80%			2035	**	5	\$100
	Molded Case Bkrs	20%			2026		5	\$7,900
<hr/>								
<b>Wiring</b>								
	Braided Cloth	20%	2-4	\$5,700	2052	**	1	
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
	Thermoplastic	80%			2037	**	1	
<hr/>								
<b>Motor Controllers</b>								
	Locally Mounted	100%			2032	**	5	
<hr/>								
<b>Ground</b>								
<b>Grounding Devices</b>								
	Generic	100%	4+	\$3,900	LIFE	**	5	\$100
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement Water Service</i>								
<i>Explanation : Ground Clamp Is Frayed</i>								
<hr/>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
	Fluorescent	80%			2027	\$13,500	10	\$4,500
<i>Motion Sensors in Use, Extent : Light, Area Affected : 75%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
	Fluorescent	10%	0-2	\$1,700	2037	**		
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
	Incandescent	10%			2022	\$4,000	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : T. V. And Dining Room And Kitchen</i>								
<i>Explanation : Downlights</i>								
<hr/>								
<b>Exterior Lighting</b>								
	HID	100%			2027	\$23,500	10	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade And Side Yard</i>								
<i>Explanation : Wall Mounted, Controlled Via Switch</i>								

**Alarm**

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

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

## Alarm

Fire/Smoke Detection  
Generic, Analog

100% 0-2 \$3,200 2027 \$64,600 1-3 \$3,400

*Devices Missing, Extent : Moderate, Area Affected : 50%*

*Location : 2nd Floor Locker Room*

*Local/Battery Operated Detect, Extent : Light, Area Affected : 100%*

*Location : Throughout*

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

## Heating

Energy Source

Natural Gas 100% 2047 \* \* 1

Conversion Equipment

Hot Water Boiler 10% 2032 \* \* 1 \$300

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

*Location : Basement Rear*

*Explanation : Serves Members Room*

Steam Boiler 90% 2-4 \$700 2025 \$34,000 1 \$4,900

*Other Observation, Extent : Severe, Area Affected : 5%*

*Location : Basement*

*Explanation : 3rd Boiler Removed. Two Remaining In Bad Condition*

Distribution

Hot Wtr Piping/Pump 10% 2035 \* \* 4

Central Plant Steam Piping/Pmp 90% 2037 \* \* 4 \$400

Terminal Devices

Convactor/Radiator 100% 2032 \* \* 1 \$2,000

## Air Conditioning

Energy Source

Electricity 100% 2043 \* \* 1

Conversion Equipment

Split Unit 10% 2032 \* \*

Window/Wall Unit 80% 2022 \$9,700 1

No Component 10%

## Ventilation

Distribution

Ductwork/Diffusers 20% LIFE \* \* 2-5 \$700

No Component 80%

Exhaust Fans

Interior 20% 2032 \* \* 2

Wall Unit 20% Now 2027 \$400 2

*Other Observation, Extent : Moderate, Area Affected : 20%*

*Location : 2nd Floor*

*Explanation : Cover And Exterior Grill Missing*

No Component 60%

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
H/C Water Piping	Brass/Copper	100%			2037	**	1	
Water Heater	Gas Fired	100%			2025	\$3,600	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 75 Gallon Unit</i>								
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Submersible	50%			2021	\$100	4	\$100
	Submersible	50%			2020	\$100	4	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Units In 3 Locations - 1 Older</i>								
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
Chemical System	Wet	10%			2025	\$2,700	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Serves Cooking Area</i>								
	No Component	90%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 05-Apr-2016      **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 217      **Lot** : 50      **BIN** : 5005815

**CAPITAL****Total**

Importance Code

**Total**

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$49,700		\$10,100	\$500
Interior Architecture	\$7,200	\$400		
Electrical	\$9,600	\$300	\$4,400	\$300
Mechanical	\$26,500	\$800	\$700	\$600
Site Enclosure	\$400			
<b>Total</b>	<b>\$93,400</b>	<b>\$1,500</b>	<b>\$15,200</b>	<b>\$1,400</b>
Importance Code A	\$50,200	\$400	\$10,600	\$900
Importance Code B	\$43,300	\$900	\$4,700	\$500
Importance Code C		\$300		
<b>Total</b>	<b>\$93,400</b>	<b>\$1,500</b>	<b>\$15,200</b>	<b>\$1,400</b>



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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. 156**  
**Asset # : 13086**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$29,300	LIFE	**	5	\$19,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	0-2	\$14,700	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	10%			2032	**	5	\$11,900	
Windows								
Aluminum	100%			2043	**	5	\$1,000	
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$600	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	85%	0-2	\$4,400	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%	0-2	\$700	LIFE	**	5	\$100	
<i>Caulking Deteriorated, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	5%			2030	**	10		
Modified Bitumen	90%			2032	**	10	\$4,200	
Skylight, Metal/Glass	5%			2037	**	10	\$800	
<i>Not Insulated, Extent : Light, Area Affected : 100%</i>								
<i>Location : Skylight Is Not Thermally Broken</i>								
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$3,500	LIFE	**	5	\$7,300	
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2036	**	5	\$400	
Wood	50%			2042	**	5	\$6,900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Wooden Stair Treads Are Uneven And Loose</i>								
<i>Loose/Miss Fasteners, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Stair Railings Are Loose</i>								
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$500	
Gypsum Board	60%			LIFE	**	5	\$3,700	
Masonry: Brick	25%			LIFE	**			
Plaster	10%			LIFE	**	5	\$300	

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%	0-2	\$200	2040	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Embossed Metal	70%			LIFE	**	5	\$2,300	
Exposed Struc: Steel	25%			LIFE	**			
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2037	**			
<b>Retaining Walls</b>								
Cast in Place Concrete	100%	2-4	\$400	2047	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Yard Walls Have Several Cracks</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2032	**			
<b>Activity Yard</b>								
Cast in Place Concrete	100%			2032	**			
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2047	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Amperes Main Disconnect Switch</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2047	**	5	\$100	
<b>Raceway</b>								
Conduit	100%	4+	\$1,600	2037	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Incoming Conduits And Supports</i>								
<b>Panelboards</b>								
Molded Case Bkrs	100%	2-4	\$2,000	2035	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bunk Room</i>								
<i>Explanation : Circuit Breakers Serving Airconditioners Trip</i>								
<b>Wiring</b>								
Thermoplastic	100%			2047	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2044	**	5		
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$100	

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	90%			2032	**	10	\$3,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	10%	4+	\$1,400	2027	\$2,800	2		
<i>Obsolete Fixtures, Extent : Light, Area Affected : 10%</i>								
<i>Location : Under Canopy 3rd Floor Gymnasium</i>								
<b>Egress Lighting</b>								
Emergency, Battery	50%			2032	**	10	\$500	
Exit, Service	50%			2032	**	1		
<b>Exterior Lighting</b>								
HID	100%			2035	**	10		
<b>Alarm</b>								
<b>Security System</b>								
No Component	95%							
Generic	5%			2027	\$700	1	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Cameras Observed</i>								
<b>Fire/Smoke Detection</b>								
Generic, Analog	100%	Now	\$4,600	2037	**	1-3	\$2,400	
<i>Devices Missing, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Electricity	10%			2047	**	1		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Front Lounge And Weight Room</i>								
Natural Gas	90%	2-4	\$400	2057	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Ground Water In Basement Is Corroding Piping</i>								
<b>Conversion Equipment</b>								
Radiant Heater	10%			2032	**	2	\$200	
Steam Boiler	90%			2040	**	1	\$3,900	
<i>Other Observation, Extent : Light, Area Affected : 90%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Gas Fired Steam Boiler</i>								

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Distribution								
	Central Plant Steam Piping/Pmp	70%			2037	**	4	\$200
	Central Plant Steam Piping/Pmp	30%	Now	\$21,100	2057	**	4	\$100
<i>Broken, Extent : Severe, Area Affected : 50%</i> <i>Location : Basement</i> <i>Leak Evident, Extent : Severe, Area Affected : 50%</i> <i>Location : Basement</i> <i>Other Observation, Extent : Severe, Area Affected : 100%</i> <i>Location : Basement</i> <i>Explanation : Steam Return Cracked And Leaking</i>								
Terminal Devices								
	Convactor/Radiator	100%			2032	**	1	\$1,400
Air Conditioning								
Energy Source								
	Electricity	100%			2043	**	1	
Conversion Equipment								
	Window/Wall Unit	50%			2025	\$4,300	1	
	Window/Wall Unit	50%	0-2	\$4,300	2027	\$4,300	1	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i> <i>Location : Throughout, Various Mechanical And Electrical Defects</i>								
Ventilation								
Exhaust Fans								
	Interior	50%			2032	**	2	\$100
	Roof	50%			2032	**	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2037	**	1	
<i>No Water Meter, Extent : Light, Area Affected : 100%</i> <i>Location : Basement</i>								
Water Heater								
	Gas Fired	100%			2025	\$2,500	2	\$100
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i> <i>Location : Basement</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2021	\$100	4	\$100
Backflow Preventer								
	No Component	80%						
	Generic	20%			2032	**	1	\$100
<i>Other Observation, Extent : Light, Area Affected : 20%</i> <i>Location : Basement</i> <i>Explanation : Boiler Feed</i>								

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

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Wet	10%			2025	\$2,700	1-3	\$400
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : 3rd Floor</i>					
			<i>Explanation : Kitchen Hood</i>					
	No Component	90%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 157/LADDER CO. 80  
**Address** : 1573 CASTLETON AVENUE BTWN FABER ST - PORT RICHMOND AV  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.157 / 13087 **Yr Built/Renovated** : 1931 / 2003  
**Area Sq Ft** : 6,296 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 23-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 1080 **Lot** : 2 **BIN** : 5025442

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$61,200		\$1,800	
Interior Architecture	\$41,300		\$700	\$200
Electrical	\$200			
Mechanical	\$1,500	\$1,100	\$1,100	\$900
<b>Total</b>	<b>\$104,200</b>	<b>\$1,100</b>	<b>\$3,500</b>	<b>\$1,100</b>
Importance Code A	\$61,800	\$600	\$2,400	\$600
Importance Code B	\$19,000	\$500	\$1,200	\$500
Importance Code C	\$23,500			
<b>Total</b>	<b>\$104,200</b>	<b>\$1,100</b>	<b>\$3,500</b>	<b>\$1,100</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**  
**ENGINE CO. 157/LADDER CO. 80**  
**Asset # : 13087**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$29,800	LIFE	**	5	\$19,400	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,700	
Masonry: Limestone	5%			LIFE	**	5	\$1,700	
Metal Sect. OHD	5%			2042	**	5	\$3,600	
Windows								
Aluminum	100%	0-2	\$8,000	2045	**	5	\$900	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor And Captain Office</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$2,600	
Masonry: Brick	90%	Now	\$9,700	LIFE	**	5	\$800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	20%			2038	**	10	\$300	
Modified Bitumen	80%	2-4	\$10,100	2034	**			
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	60%	0-2	\$3,000	LIFE	**	5	\$12,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2038	**	5	\$500	
Quarry Tile	5%			2042	**	5	\$700	
Vinyl Tile	30%			2034	**	3	\$1,100	
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout 2nd Floor</i>								
Interior Walls								
Gypsum Board	5%			LIFE	**	5-10	\$1,100	
Masonry: Brick	35%	Now	\$18,000	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	20%	Now	\$2,100	LIFE	**	5	\$800	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor And Stair</i>								
SGFT/Glazed Masonry	40%			LIFE	**	10	\$2,600	

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

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Interior								
Ceilings								
AcousTileSusp.Lay-In	30%	0-2	\$4,700	2042	**	5	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Second Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen, Throughout Second Floor</i>								
Exposed Concrete	35%			LIFE	**	5-10	\$4,100	
Exposed Struc: Steel	35%			LIFE	**	10	\$6,600	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
On-Site Walkways								
Cast in Place Concrete	100%			2042	**			
Parking/Driveway								
Cast in Place Concrete	100%			2042	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2039	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2039	**	5	\$200	
Raceway								
Conduit	90%			2039	**	1		
Conduit	10%			2049	**	1		
Panelboards								
Fused Disc Sw	5%			2037	**	5		
Molded Case Bkrs	95%			2045	**	5	\$200	
Wiring								
Thermoplastic	80%			2039	**	1		
Thermoplastic	20%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2034	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

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

**Lighting**

Interior Lighting Fluorescent	100%			2034	**	10	\$5,800	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Throughout The Building*

*Explanation : T-8 Lamps*

Egress Lighting Emergency, Battery	50%			2029	\$4,300	10	\$800	
Exit, Service	50%			2029	\$400	1		

Exterior Lighting HID	100%			2029	\$24,300	10		
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<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

Energy Source Natural Gas	100%			2055	**	1		
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Conversion Equipment Furnace	5%			2029	\$700	1	\$200	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : First Floor*

*Explanation : Two Units*

Steam Boiler	95%			2042	**	1	\$5,900	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Basement*

*Explanation : One Unit*

Distribution Central Plant Steam Piping/Pmp	100%			2049	**	4	\$500	
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Terminal Devices Convactor/Radiator	100%			2034	**	1	\$2,000	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Throughout*

*Explanation : Cast Iron Radiators With One Pipe System*

**Air Conditioning**

Energy Source Electricity	100%			2045	**	1		
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Conversion Equipment Window/Wall Unit	50%			2027	\$6,300	1		
No Component	50%							

**Ventilation**

Exhaust Fans Interior	30%			2034	**	2	\$100	
Roof	60%			2029	\$6,000	2	\$100	
No Component	10%							

**Plumbing**

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

*Estimates are rounded to the nearest hundred dollars.*

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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**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
H/C Water Piping Brass/Copper	100%			2049	**	1		
Water Heater Gas Fired	100%			2027	\$3,700	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement Mechanical</i>						
		<i>Explanation : Two Units - 74 Gallons / Hour Capacity</i>						
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%	Now	\$600	LIFE	**	1		
		<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Backs Up With Heavy Rain</i>						
Sump Pump(s) Submersible	100%			2022	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System Wet	10%			2027	\$2,700	1-3	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Over Range</i>						
No Component	90%							

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 09-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 1227 **Lot** : 25 **BIN** : 5027755

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$96,000
Mechanical		\$45,200
<b>Total</b>		<b>\$141,200</b>
Importance Code A		\$141,200
<b>Total</b>		<b>\$141,200</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$6,200		\$4,300	
Interior Architecture	\$21,700		\$24,600	
Electrical	\$200	\$200	\$3,000	\$200
Mechanical	\$900	\$500	\$11,000	\$1,000
Site Pavements	\$900			
<b>Total</b>	<b>\$29,800</b>	<b>\$700</b>	<b>\$42,900</b>	<b>\$1,200</b>
Importance Code A	\$6,500	\$300	\$4,600	\$300
Importance Code B	\$6,600	\$400	\$38,300	\$900
Importance Code C	\$16,700			
<b>Total</b>	<b>\$29,800</b>	<b>\$700</b>	<b>\$42,900</b>	<b>\$1,200</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**  
**ENGINE CO. 158**  
**Asset # : 13088**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2047	**	10	\$300	
Masonry: Brick	80%			LIFE	**	5	\$17,300	
<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%			LIFE	**	5	\$800	
Masonry: Limestone	5%	4+	\$2,400	LIFE	**	5	\$800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	5%			2025	\$34,900	5	\$5,400	
Windows								
Aluminum	100%			2035	**	5	\$1,700	
Parapets								
Metal Panel	85%			2047	**	5	\$7,300	
Metal Panel	15%			2037	**	5	\$1,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Parapet</i>								
<i>Explanation : Metal Coping</i>								
Roof								
Asphalt Shingle	15%			2030	**	10	\$200	
Modified Bitumen	83%			2027	\$96,000	10	\$6,900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	2%			2037	**	10	\$600	
<i>Gut/DS Non Func/Miss, Extent : Light, Area Affected : 100%</i>								
<i>Location : Missing Leader And Splash Block At Skylight</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$10,200	
Ceramic Tile	10%			2040	**	5	\$900	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Bathrooms</i>								
Vinyl Tile	30%			2022	\$24,200	3	\$1,000	
Wood	10%			2055	**	5	\$1,700	

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

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	20%	Now	\$15,300	LIFE	**			
<i>Spalling, Extent : Light, 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	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Bathrooms</i>								
Gypsum Board	5%			LIFE	**	5	\$400	
Plaster	30%			LIFE	**	5	\$1,100	
Plywood/Hardboard	5%			LIFE	**			
SGFT/Glazed Masonry	30%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%			2025	\$3,600	5	\$400	
Exposed Concrete	30%	Now	\$4,300	LIFE	**	5	\$400	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Of Building In Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Below Driveway Apron In Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Of Building In Basement</i>								
Plaster	65%			LIFE	**	5	\$3,500	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2037	**			
<b>Site Pavements</b>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%	4+	\$900	2032	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Of Building At Entry</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2053	**	5		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<b>Raceway</b>								
Conduit	75%			2027	\$24,000	1		
Conduit	25%			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. 158**  
**Asset # : 13088**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	100%			2049	**	5	\$200	
Wiring								
Thermoplastic	100%			2053	**	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	\$1,900	
Lighting								
Interior Lighting								
Fluorescent	50%			2032	**	10	\$2,800	
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Other Observation, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Burnt Out</i>					
Incandescent	5%			2027	\$2,000	2		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Dining Room</i>					
			<i>Explanation : Downlights</i>					
LED	45%			2035	**			
Egress Lighting								
Exit, LED	100%			2062	**	1		
Exterior Lighting								
HID	50%			2027	\$11,800	10		
HID	50%			2032	**	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%	0-2	\$100	2047	**	1		
			<i>Corroded, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Basement</i>					
Conversion Equipment								
Hot Water Boiler	100%			2025	\$45,200	1	\$3,000	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Boilers</i>					

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

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2035	**	4	\$300	
<i>Not Insulated, Extent : Light, Area Affected : 60%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Dissimilar Metals With No Barrier</i>								
Terminal Devices								
Convactor/Radiator	95%			2032	**	1	\$1,900	
Unit Heater - Steam	5%			2027	\$1,000	4		
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2022	\$9,800	1		
No Component	20%							
Ventilation								
Exhaust Fans								
Roof	70%			2035	**	2	\$100	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Wall Unit	30%			2022	\$600	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	60%			2047	**	1		
<i>Not Insulated, Extent : Light, Area Affected : 60%</i>								
<i>Location : Basement</i>								
Under Construction	40%							
HW Heat Exchanger								
Steam Fired	100%			2047	**	4	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 75 Gallon Indirect Water Heater</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	50%			2020	\$100	4	\$100	
Submersible	50%			2020	\$100	4	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Units In 2 Locations / 1 Older</i>								
Backflow Preventer								
No Component	95%							
Generic	5%			2032	**	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Fixtures							
	Generic	100%						
			<i>Not in Service, Extent : Moderate, Area Affected : 80%</i>					
			<i>Location : 2nd Floor Bathrooms</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 80%</i>					
			<i>Location : 2nd Floor</i>					
			<i>Explanation : Under Construction</i>					
Fire Suppression	Chemical System							
	Wet	10%			2025	\$2,700	1-3	\$400
	No Component	90%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 159  
**Address** : 1592 RICHMOND ROAD  
**Borough** : STATEN ISLAND      **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.159 / 13089      **Yr Built/Renovated** : 1930 /  
**Area Sq Ft** : 6,220      **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 23-May-2018      **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 3306      **Lot** : 8      **BIN** : 5048682

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Interior Architecture	\$50,100	
Site Pavements	\$43,400	
<b>Total</b>	<b>\$93,600</b>	
Importance Code B	\$93,600	
<b>Total</b>	<b>\$93,600</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$56,200		\$4,000	
Interior Architecture	\$75,800		\$800	\$700
Electrical	\$100		\$100	
Mechanical	\$5,600	\$1,100	\$1,700	\$1,300
Site Enclosure	\$400			
<b>Total</b>	<b>\$138,000</b>	<b>\$1,100</b>	<b>\$6,500</b>	<b>\$2,000</b>
Importance Code A	\$56,800	\$600	\$4,600	\$600
Importance Code B	\$66,600	\$500	\$1,900	\$1,100
Importance Code C	\$14,700			\$300
<b>Total</b>	<b>\$138,000</b>	<b>\$1,100</b>	<b>\$6,500</b>	<b>\$2,000</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**  
**ENGINE CO. 159**  
**Asset # : 13089**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$29,700	LIFE	**	5	\$19,300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	3%			LIFE	**	5	\$1,200	
Masonry: Limestone	7%			LIFE	**	5	\$2,700	
Metal Sect. OHD	10%			2042	**	5	\$8,000	
Stucco Cement	5%	Now	\$3,800	2034	**	5	\$1,600	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								
Windows								
Aluminum	100%			2045	**	5	\$2,500	
Parapets								
Masonry: Brick	95%	Now	\$7,100	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%			2039	**	5	\$500	
Roof								
Built-Up (BUR)	95%	Now	\$12,400	2034	**			
<i>Air/Water Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Corners At Street Side</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%			2039	**	10	\$1,600	
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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		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	\$27,000	LIFE	**	5	\$11,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Apparatus Room</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus</i>								
<i>Explanation : Structurally Insufficient, Temporarily Shored With Steel Columns And Beams</i>								
Quarry Tile	10%			2042	**	5	\$1,500	
Terrazzo	10%			LIFE	**	5	\$1,600	
Vinyl Tile	30%	Now	\$8,000	2029	\$26,500	3	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Multiple Locations Throughout The 2nd Floor</i>								
Interior Walls								
Ceramic Tile	4%			2038	**	5	\$600	
Gypsum Board	5%			LIFE	**	5-10	\$1,300	
Masonry: Brick	30%			LIFE	**	10	\$1,400	
Marble Panels	6%			LIFE	**	10	\$400	
Plaster	25%	Now	\$9,600	LIFE	**	5	\$1,200	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 40%</i>								
<i>Location : Cellar Stairs And Hose Shaft</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Several Of The Wood Doors Are Cracked And Worn</i>								
SGFT/Glazed Masonry	30%			LIFE	**	10	\$2,400	

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

Estimates are rounded to the nearest hundred dollars.

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

<b>Architecture</b>		<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>		
<b>Interior</b>									
<b>Ceilings</b>									
AcousTileSusp.Lay-In	10%	0-2	\$800	2034	**	5	\$500		
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>									
<i>Location : Kitchen</i>									
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>									
<i>Location : 2nd Floor Steam Pipe Penetration</i>									
Exposed Concrete	30%	Now	\$50,100	LIFE	**	5	\$500		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout Basement</i>									
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout Basement</i>									
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>									
<i>Location : Cellar Ceiling/ Apparatus</i>									
<i>Explanation : Structurally Insufficient, Temporarily Shored With Steel Columns And Beams</i>									
Plaster	60%	Now	\$24,500	LIFE	**	5	\$3,800		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout 2nd Floor</i>									
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>									
<i>Location : Throughout 2nd Floor</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout 2nd Floor</i>									
<b>Site Enclosure</b>									
<b>Fence/Gates</b>									
Chain Link	95%			2049	**				
Iron Picket	5%			2049	**				
<b>Free Standing Walls</b>									
Masonry: Brick	100%			2039	**				
<b>Retaining Walls</b>									
Cast in Place Concrete	100%	Now	\$400	2079	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : North Side</i>									
<b>Site Pavements</b>									
<b>Public Sidewalk</b>									
Cast in Place Concrete	100%	Now	\$43,400	2042	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Throughout West Side</i>									
<b>On-Site Walkways</b>									
Cast in Place Concrete	100%			2042	**				
<b>Parking/Driveway</b>									
Cast in Place Concrete	100%			2042	**				

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

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 159**  
**Asset # : 13089**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Molded Case Bkrs	100%			2039	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
<hr/>								
Raceway								
Conduit	100%			2039	**	1		
<hr/>								
Panelboards								
Fused Disc Sw	5%			2037	**	5		
Molded Case Bkrs	95%			2037	**	5	\$200	
<hr/>								
Wiring								
Thermoplastic	100%			2039	**	1		
<hr/>								
Motor Controllers								
Locally Mounted	100%			2034	**	5		
<hr/>								
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<hr/>								
<b>Lighting</b>								
Interior Lighting								
Fluorescent	95%			2029	\$16,400	10	\$5,400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<hr/>								
Incandescent	5%			2029	\$2,000	2		
<hr/>								
Egress Lighting								
Emergency, Battery	60%			2029	\$5,100	10	\$900	
Exit, Service	40%			2029	\$300	1		
<hr/>								
Exterior Lighting								
HID	100%			2029	\$24,000	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2055	**	1		
<hr/>								
Conversion Equipment								
Steam Boiler	100%			2046	**	1	\$6,200	
<hr/>								
Distribution								
Central Plant Steam Piping/Pmp	10%			2055	**	4		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Area</i>								
<i>Explanation : Recently Installed With New Boiler</i>								
<hr/>								
Central Plant Steam Piping/Pmp	90%			2039	**	4	\$300	

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 159**  
**Asset # : 13089**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	100%			2042	**	1	\$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2051	**	1		
Conversion Equipment								
Window/Wall Unit	60%			2027	\$7,400	1		
No Component	40%							
Ventilation								
Exhaust Fans								
Interior	100%			2034	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	30%			2049	**	1		
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Cellar Mechanical Area</i>					
			<i>Explanation : Installed With New Water Heater</i>					
Galvanized Steel	70%			2042	**	1		
Water Heater								
Gas Fired	100%			2027	\$3,600	2	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Cellar Mechanical Area</i>					
			<i>Explanation : New 75 Gallon Hot Water Heater</i>					
Sanitary Piping								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	0-2	\$4,400	LIFE	**	1		
			<i>Corroded, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : Cellar</i>					
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2022	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	90%							
Generic	10%			2049	**	1-2	\$200	
Chemical System								
Generic	100%			2028	\$26,700	1-3	\$3,700	

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 26-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 909 **Lot** : 35 **BIN** : 1019903

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$62,100	\$56,900
Electrical		\$85,300
<b>Total</b>	<b>\$62,100</b>	<b>\$142,200</b>
Importance Code A	\$62,100	\$56,900
Importance Code B		\$85,300
<b>Total</b>	<b>\$62,100</b>	<b>\$142,200</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$55,200			\$200
Interior Architecture	\$9,400	\$800		\$500
Electrical	\$700	\$100	\$30,200	
Mechanical	\$600	\$900	\$700	\$800
<b>Total</b>	<b>\$65,900</b>	<b>\$1,800</b>	<b>\$30,900</b>	<b>\$1,500</b>
Importance Code A	\$55,500	\$300	\$300	\$600
Importance Code B	\$10,400	\$900	\$30,500	\$900
Importance Code C		\$600		
<b>Total</b>	<b>\$65,900</b>	<b>\$1,800</b>	<b>\$30,900</b>	<b>\$1,500</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**  
**ENGINE CO. 16**  
**Asset # : 13012**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$14,500	
Marble Panels	10%			LIFE	**	5	\$1,400	
Wood Overhead Doors	10%			2040	**	5	\$9,000	
Windows								
Aluminum	100%			2043	**	5	\$500	
Parapets								
Metal Rail	100%			2040	**	5-10	\$36,600	
Roof								
IRMA/Protected Membrane	65%	Now	\$62,100	2037	**			
			<i>Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Main Roof</i>					
			<i>Vegetation Growth, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : South East</i>					
			<i>Worn/Eroded, Extent : Severe, Area Affected : 75%</i>					
			<i>Location : Main Roof</i>					
Modified Bitumen	35%	Now	\$28,500	2027	\$56,900			
			<i>Other Observation, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Addition At Rear Of Building</i>					
			<i>Explanation : Abandoned Roof Repairs</i>					
Interior								
Floors								
Cast in Place Concrete	50%	4+	\$5,500	LIFE	**	5	\$11,300	
			<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Apparatus Room</i>					
Ceramic Tile	5%			2036	**	5	\$500	
Quarry Tile	10%			2040	**	5	\$1,600	
Vinyl Tile	35%	0-2	\$3,100	2032	**	3	\$1,400	
			<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Throughout</i>					
Interior Walls								
Ceramic Tile	10%			2036	**	5	\$1,100	
Concrete Masonry Unit	10%			LIFE	**	5	\$500	
Plaster	40%			LIFE	**	5	\$1,400	
SGFT/Glazed Masonry	40%			LIFE	**			
Ceilings								
Exposed Concrete	75%			LIFE	**	5	\$1,200	
Plaster	25%			LIFE	**	5	\$1,600	
			<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : 2nd Floor Corridor</i>					
Site Enclosure								
Fence/Gates								
Chain Link	100%			2037	**			
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. 16**  
**Asset # : 13012**

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

## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%			2032	**			
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## On-Site Walkways

Cast in Place Concrete	100%			2032	**			
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## Parking/Driveway

Cast in Place Concrete	100%			2032	**			
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<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2027	\$4,900	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 400 Amperes*

## Switchgear / Switchboard

Fused Disc Sw	100%			2027	\$49,900	5		
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## Raceway

Conduit	100%			2027	\$32,000	1		
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## Panelboards

Molded Case Bkrs	90%			2026	\$35,400	5	\$200	
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Molded Case Bkrs	10%			2043	**	5		
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## Wiring

Thermoplastic	100%			2027	\$28,300	1		
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## Motor Controllers

Locally Mounted	100%			2025	\$14,700	5		
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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## Lighting

## Interior Lighting

Incandescent	10%			2022	\$4,400	2		
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LED	90%			2032	**			
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## Egress Lighting

Exit, Service	50%			2027	\$400	1		
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No Component	50%							
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## Exterior Lighting

HID	100%			2022	\$25,700	10		
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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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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 16**  
**Asset # : 13012**

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

## Alarm

## Fire/Smoke Detection

No Component

95%

Generic, Digital

5% Now

\$700 2037

\* \* 1-3

\$200

*Devices Missing, Extent : Moderate, Area Affected : 100%**Location : 1st And 2nd Floors**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : 1st And 2nd Floors*

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

## Heating

## Energy Source

Natural Gas

100%

2047

\* \* 1

## Conversion Equipment

Hot Water Boiler

100%

2032

\* \* 1

\$3,300

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

## Distribution

Hot Wtr Piping/Pump

100%

2043

\* \* 4

\$300

## Terminal Devices

Convactor/Radiator

90%

2040

\* \* 1

\$1,900

Unit Heater - Steam

10%

2027

\$2,300 4

\$100

## Air Conditioning

## Energy Source

Electricity

100%

2043

\* \* 1

## Conversion Equipment

Window/Wall Unit

100%

2025

\$13,300 1

## Ventilation

## Distribution

Ductwork/Diffusers

10%

LIFE

\* \* 2-5

\$400

No Component

90%

## Exhaust Fans

Interior

60%

2032

\* \* 2

\$100

Roof

40%

2032

\* \* 2

\$100

## Plumbing

## H/C Water Piping

Brass/Copper

75%

2047

\* \* 1

Galvanized Steel

25%

2040

\* \* 1

## Water Heater

Gas Fired

100%

2025

\$3,900 2

\$100

*Other Observation, Extent : Light, 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.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 16**  
**Asset # : 13012**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2021	\$200	4	\$200
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	10%			2025	\$2,700	1-3	\$400
	No Component	90%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 160/RESCUE 5  
**Address** : 1850 CLOVE ROAD @ TARGEE ST.  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.160 / 13090 **Yr Built/Renovated** : 1913 / 2006  
**Area Sq Ft** : 8,077 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 22-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 3153 **Lot** : 38 **BIN** : 5046179

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Electrical		\$87,300
<b>Total</b>		<b>\$87,300</b>
Importance Code B		\$87,300
<b>Total</b>		<b>\$87,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$54,500		\$6,800	
Interior Architecture	\$61,900		\$1,300	\$1,700
Electrical	\$3,100	\$600	\$600	\$2,200
Mechanical	\$2,800	\$2,000	\$1,800	\$1,400
Site Enclosure	\$3,300			
<b>Total</b>	<b>\$125,700</b>	<b>\$2,500</b>	<b>\$10,400</b>	<b>\$5,300</b>
Importance Code A	\$56,800	\$800	\$7,600	\$800
Importance Code B	\$43,300	\$1,700	\$2,800	\$3,600
Importance Code C	\$25,500			\$900
<b>Total</b>	<b>\$125,700</b>	<b>\$2,500</b>	<b>\$10,400</b>	<b>\$5,300</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**  
**ENGINE CO. 160/RESCUE 5**  
**Asset # : 13090**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2049	**	10	\$900	
Masonry: Brick	70%			LIFE	**	5	\$40,700	
Masonry: Granite	3%			LIFE	**	5	\$1,300	
Masonry: Limestone	8%			LIFE	**	5	\$3,500	
Metal Panel	2%			2039	**	5-10	\$4,000	
Metal Sect. OHD	7%			2034	**	5	\$6,400	
Windows								
Aluminum	100%	0-2	\$13,500	2045	**	5	\$1,600	
<i>Weather Strip Missing, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	20%	Now	\$4,000	LIFE	**	5	\$4,800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	60%			LIFE	**	5-10	\$12,700	
Metal Rail	20%			2042	**	5-10	\$11,200	
Roof								
Asphalt Shingle	10%			2038	**	10	\$200	
Built-Up (BUR)	50%	2-4	\$3,500	2034	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Modified Bitumen	40%			2034	**	10	\$4,000	
Soffits								
Alum/Vinyl Siding	60%			2049	**	10		
Masonry: Limestone	40%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$23,400	
Ceramic Tile	7%			2032	**	5	\$900	
Quarry Tile	8%			2042	**	5	\$1,600	
Vinyl Tile 9" X 9"	45%	Now	\$13,500	2034	**	3	\$2,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Patching Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Office</i>								

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

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	10%			2038	**	5	\$1,800	
Gypsum Board	25%			LIFE	**	5-10	\$7,800	
Masonry: Brick	40%	Now	\$14,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Truck Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Plaster	25%			LIFE	**	5-10	\$3,900	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	40%	2-4	\$900	2042	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor Ceiling, Multiple Locations</i>								
Exposed Struc: Steel	20%			LIFE	**	10	\$5,300	
Gypsum Board	10%			LIFE	**	5-10	\$4,600	
Plaster	30%	Now	\$5,400	LIFE	**	5	\$2,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bunkroom And Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Office, Bunkroom And Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2049	**			
<b>Free Standing Walls</b>								
Masonry: Brick	100%	Now	\$3,300	2039	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2042	**			

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

Under 600 Volts

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

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%	2-4	\$1,500	2029	\$4,900	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 400 Ampere Main Disconnect Switches</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
Raceway								
Conduit	100%			2029	\$32,000	1		
Panelboards								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	95%			2028	\$37,400	5	\$200	
Wiring								
Thermoplastic	100%			2029	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5	\$100	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2042	**	1	\$2,500	
Generators								
Diesel	100%			2038	**	1	\$3,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 83 Kilo-volt-ampere</i>						
Batteries								
Lead/Acid	100%			2023	\$1,500	5	\$300	
Fuel Storage								
Day Tank	100%			2045	**	5	\$1,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 75 Gallons</i>						
<b>Lighting</b>								
Interior Lighting								
Fluorescent	90%			2034	**	10	\$6,700	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Incandescent	10%			2024	\$5,300	2		
Egress Lighting								
Emergency, Service	50%			2034	**	1		
No Component	50%							
Exterior Lighting								
HID	100%			2024	\$31,100	10		
		<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Entire Exterior</i>						

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

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

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2034	**	1	\$8,000	
Distribution								
Central Plant Steam Piping/Pmp	100%			2049	**	4	\$600	
Terminal Devices								
Convactor/Radiator	100%			2042	**	1	\$2,600	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Window/Wall Unit	60%			2027		1	\$9,700	
No Component	40%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,600	
No Component	50%							
Exhaust Fans								
Roof	50%			2034	**	2	\$100	
Wall Unit	50%			2034	**	2	\$100	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	20%			2049	**	1		
Galvanized Steel	80%			2042	**	1		
Water Heater								
Gas Fired	100%			2027		2	\$4,700	\$100
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : Two 75 Gallon Heaters</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
Generic	100%			2034	**	1	\$500	
<b>Fire Suppression</b>								
Sprinkler								
No Component	90%							
Generic	10%			2055	**	1-2	\$200	
Chemical System								
Generic	100%			2027		1-3	\$3,700	

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 22-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 3108 **Lot** : 25 **BIN** : 5045654

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$50,300	\$94,500
Interior Architecture	\$147,400	
Electrical		\$37,400
<b>Total</b>	<b>\$197,800</b>	<b>\$131,900</b>
Importance Code A	\$50,300	\$94,500
Importance Code B	\$147,400	\$37,400
<b>Total</b>	<b>\$197,800</b>	<b>\$131,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$77,300			
Interior Architecture	\$65,300			\$1,000
Electrical	\$100		\$100	\$100
Mechanical	\$1,200	\$1,700	\$1,100	\$1,300
Site Enclosure	\$5,700			
<b>Total</b>	<b>\$149,600</b>	<b>\$1,700</b>	<b>\$1,200</b>	<b>\$2,400</b>
Importance Code A	\$77,900	\$600	\$600	\$600
Importance Code B	\$41,500	\$1,100	\$600	\$1,100
Importance Code C	\$30,200			\$600
<b>Total</b>	<b>\$149,600</b>	<b>\$1,700</b>	<b>\$1,200</b>	<b>\$2,400</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**  
**ENGINE CO. 161**  
**Asset # : 13091**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2049	**	10	\$400	
Masonry: Brick	65%	Now	\$50,300	LIFE	**	5	\$16,300	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : McClean Avenue Facade Lintels</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout All Elevations</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%	0-2	\$7,600	LIFE	**	5	\$900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Mcclean Avenue Elevation</i>								
Masonry: Limestone	10%	0-2	\$14,000	LIFE	**	5	\$1,900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Front Facade</i>								
Stucco Cement	7%	Now	\$10,400	2034	**	5	\$2,200	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								
Wood Overhead Doors	8%			2034	**	5	\$10,100	
Windows								
Aluminum	100%	0-2	\$4,000	2037	**	5	\$900	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%	Now	\$3,600	LIFE	**	5	\$2,200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : All Parapet Elevations</i>								
Masonry: Brick	85%	Now	\$9,300	LIFE	**	5	\$1,600	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Parapet</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 161**  
**Asset # : 13091**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Roof									
Asphalt Shingle	20%			2038	**	10	\$300		
Built-Up (BUR)	80%	Now	\$28,400	2024	\$94,500				
<i>Alligatoring, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
<i>Blisters, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
<i>Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 33%</i>									
<i>Location : Throughout</i>									
Soffits									
Alum/Vinyl Siding	100%			2049	**	10			
Interior									
Floors									
Cast in Place Concrete	50%	Now	\$23,800	LIFE	**	5	\$9,800		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Cellar, Multiple Locations</i>									
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Apparatus</i>									
<i>Explanation : Floor Is Temporarily Shored To Carry Truck Load, Repair Or Replacement Is Required</i>									
Quarry Tile	10%			2034	**	5	\$1,300		
Terrazzo	5%			LIFE	**	5	\$700		
Vinyl Tile	35%	Now	\$8,200	2029	\$27,300	3	\$1,200		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout 2nd Floor</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Throughout 2nd Floor</i>									

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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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	20%	Now	\$15,900	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Basement</i>								
Ceramic Tile	10%			2038	**	5	\$1,200	
Gypsum Board	5%	Now	\$500	LIFE	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Basement</i>								
Masonry: Brick	5%			LIFE	**	10	\$200	
Marble Panels	5%			LIFE	**	10	\$200	
Plaster	30%	Now	\$6,100	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 33%</i>								
<i>Location : Bulkhead/ Hose Tower</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 80%</i>								
<i>Location : Roof Bulkhead/ Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Hallway Adjacent To The Bathroom, Stairs, Captains Office And Locker Room</i>								
SGFT/Glazed Masonry	25%			LIFE	**	10	\$1,500	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	15%			2034	**	5	\$1,300	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout 2nd Floor</i>								
Exposed Concrete	50%	Now	\$147,400	LIFE	**	5	\$700	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Structure Is Temporarily Shored With Steel Columns To Carry Truck Load, Repair Or Replacement Is Required.</i>								
Plaster	35%	Now	\$8,400	LIFE	**	5	\$2,000	
<i>Paint Peeling, Extent : Light, Area Affected : 30%</i>								
<i>Location : Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Hallway Adjacent To The Locker Room And Hose Tower</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%	Now	\$5,700	2049	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout West Side</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout West Side</i>								

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

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Site Pavements</b>								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
On-Site Walkways								
Cast in Place Concrete	100%			2042	**			
Parking/Driveway								
Cast in Place Concrete	100%			2042	**			
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2029	\$4,900	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%			2029	\$32,000	1		
Panelboards								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	95%			2028	\$37,400	5	\$200	
Wiring								
Thermoplastic	100%			2029	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	30%			2029	\$5,000	10	\$1,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floor</i>								
LED	70%			2037	**			
Egress Lighting								
Emergency, Battery	50%			2037	**	10	\$700	
Exit, Service	50%			2037	**	1		
Exterior Lighting								
HID	100%			2024	\$23,100	10		
<b>Lightning Protection</b>								
Arresters/Cabling								
Generic	100%			2032	**	5	\$200	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 161**  
**Asset # : 13091**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
	Energy Source							
	Natural Gas	100%		2055	* *	1		
	Conversion Equipment							
	Steam Boiler	100%		2042	* *	1	\$5,900	
	Distribution							
	Central Plant Steam Piping/Pmp	100%		2049	* *	4	\$400	
	Terminal Devices							
	Convactor/Radiator	100%		2034	* *	1	\$1,900	
<b>Air Conditioning</b>								
	Energy Source							
	Electricity	100%		2051	* *	1		
	Conversion Equipment							
	Split Unit	20%		2034	* *			
	Window/Wall Unit	60%		2027	\$7,200	1		
	No Component	20%						
<b>Ventilation</b>								
	Exhaust Fans							
	Interior	90%		2024	\$18,400	2	\$200	
	Roof	10%		2034	* *	2		
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	20%		2049	* *	1		
	Galvanized Steel	80%		2034	* *	1		
	Water Heater							
	Gas Fired	100%		2027	\$3,500	2	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Cellar</i>							
	<i>Explanation : One 75 Gallon Heater</i>							
	Sanitary Piping							
	Cast Iron	100%		LIFE	* *	1		
	Storm Drain Piping							
	Cast Iron	100%		LIFE	* *	1		
	Sump Pump(s)							
	Submersible	100%		2023	\$200	4	\$200	
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Chemical System							
	Wet	100%		2027	\$26,700	1-3	\$4,200	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : Over Range</i>							

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 162/LADDER CO. 82/ BATTALION 23  
**Address** : 256 NELSON AVENUE  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.162 / 13092 **Yr Built/Renovated** : 1928 /  
**Area Sq Ft** : 8,429 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 13-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5271 **Lot** : 31 **BIN** : 5067428

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Electrical		\$25,600
Mechanical		\$46,900
<b>Total</b>		<b>\$72,500</b>
Importance Code A		\$46,900
Importance Code B		\$25,600
<b>Total</b>		<b>\$72,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$51,400		\$4,400	
Interior Architecture	\$53,200		\$1,100	\$300
Electrical	\$900	\$800	\$700	\$700
Mechanical	\$1,700	\$1,900	\$1,400	\$1,600
Site Pavements	\$3,300			
<b>Total</b>	<b>\$110,500</b>	<b>\$2,700</b>	<b>\$7,600</b>	<b>\$2,600</b>
Importance Code A	\$52,200	\$800	\$5,200	\$800
Importance Code B	\$41,800	\$1,900	\$1,900	\$1,800
Importance Code C	\$16,500		\$400	
<b>Total</b>	<b>\$110,500</b>	<b>\$2,700</b>	<b>\$7,600</b>	<b>\$2,600</b>



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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. 162/LADDER CO. 82/ BATTALION 23**  
**Asset # : 13092**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%	Now	\$4,400	2049	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout Back Room</i>								
Masonry: Brick	75%			LIFE	**	5	\$39,100	
<i>Repairs in Progress, Extent : Light, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
<i>Sidewalk Shed in Use, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%			LIFE	**	5	\$2,000	
<i>Repairs in Progress, Extent : Light, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%			LIFE	**	5	\$2,000	
<i>Repairs in Progress, Extent : Light, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	10%			2042	**	5	\$8,100	
Windows								
Aluminum	100%	Now	\$5,400	2037	**	5	\$1,300	
<i>Ctrwt/Balnc Not Funct, Extent : Light, Area Affected : 5%</i>								
<i>Location : Offices And Bunk Room</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5-10	\$16,000	
<i>Repairs in Progress, Extent : Light, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
<i>Sidewalk Shed Below, Extent : Light, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	20%			LIFE	**	5-10	\$7,100	
<i>Repairs in Progress, Extent : Light, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	15%			2032	**	10	\$300	
Modified Bitumen	85%			2039	**	10	\$10,800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Repairs In Progress</i>								
Interior								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 162/LADDER CO. 82/ BATTALION 23**  
**Asset # : 13092**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$13,400	LIFE	**	5	\$13,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2038	**	5	\$600	
Quarry Tile	5%			2034	**	5	\$900	
Vinyl Tile	40%			2034	**	3	\$1,900	
Interior Walls								
Cast in Place Concrete	10%	4+	\$5,600	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement Walls</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Stair, Front Basement Wall</i>								
Ceramic Tile	5%			2032	**	5	\$900	
Plaster	52%			LIFE	**	5-10	\$7,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Hose Tower And Offices</i>								
Plywood/Hardboard	3%			LIFE	**	10	\$100	
SGFT/Glazed Masonry	30%			LIFE	**	10	\$2,600	
Ceilings								
AcousTileSusp.Lay-In	5%			2034	**	5	\$600	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	25%	Now	\$20,700	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Apparatus Slab Is Not Designed For Current Loads - Needs To Be Replaced</i>								
Plaster	70%	Now	\$5,900	LIFE	**	5	\$5,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Offices</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 162/LADDER CO. 82/ BATTALION 23**  
**Asset # : 13092**

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

## Site Pavements

## On-Site Walkways

Cast in Place Concrete	100%	Now	\$3,300	2042	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Throughout Side And Rear Of Building*

## Parking/Driveway

Cast in Place Concrete	100%			2042	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Molded Case Bkrs	100%			2039	**	5	\$200	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 400 Ampere Main Disconnect Switch*

## Raceway

Conduit	10%			2039	**	1		
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Conduit	90%			2029	\$28,800	1		
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## Panelboards

Fused Disc Sw	5%			2028	\$2,000	5		
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Molded Case Bkrs	30%			2037	**	5	\$100	
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Molded Case Bkrs	65%			2028	\$25,600	5	\$100	
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## Wiring

Braided Cloth	30%			2028	\$8,500	1		
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Thermoplastic	20%			2039	**	1		
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Thermoplastic	50%			2029	\$14,200	1		
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## Motor Controllers

Locally Mounted	100%			2027	\$14,700	5	\$100	
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## Ground

## Grounding Devices

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

## Transfer Switches

Automatic	100%			2046	**	1	\$2,600	
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## Generators

Diesel	100%			2042	**	1	\$3,300	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 60 Kilowatt*

## Batteries

Lead/Acid	100%			2024	\$1,500	5	\$300	
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 162/LADDER CO. 82/ BATTALION 23**  
**Asset # : 13092**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
<b>Fuel Storage</b>								
Day Tank	30%			2051	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 109 Gallon</i>								
Main Tank	70%			2032	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 550 Gallon</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	96%			2029	\$22,400	10	\$7,400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	4%			2029	\$2,200	2		
<b>Egress Lighting</b>								
Emergency, Service	50%			2029	\$2,100	1		
Exit, Service	50%			2029	\$500	1		
<b>Exterior Lighting</b>								
HID	100%			2029	\$500	10		
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	100%			2049	**	1		
<b>Conversion Equipment</b>								
Hot Water Boiler	10%			2042	**	1	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Small Boiler In Rear Of Basement Serves Members Room</i>								
Steam Boiler	90%			2027	\$46,900	1	\$7,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Three Small Boilers Piped Together</i>								
<b>Distribution</b>								
Hot Wtr Piping/Pump	10%			2045	**	4	\$100	
Central Plant Steam Piping/Pmp	90%			2039	**	4	\$400	
<b>Terminal Devices</b>								
Convactor/Radiator	100%			2034	**	1	\$2,700	
<b>Air Conditioning</b>								
<b>Energy Source</b>								
Electricity	100%			2045	**	1		

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 162/LADDER CO. 82/ BATTALION 23**  
**Asset # : 13092**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
Conversion Equipment								
	Window/Wall Unit	70%			2024	\$11,800	1	
	No Component	30%						
<b>Ventilation</b>								
Exhaust Fans								
	Wall Unit	100%			2029	\$2,900	2	\$300
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%			2039	**	1	
Water Heater								
	Gas Fired	100%			2024	\$4,900	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 75 Gallon Unit</i>					
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2020	\$300	4	\$300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Units In Same Pit</i>					
Backflow Preventer								
	No Component	95%						
	Generic	5%			2034	**	1	
Fixtures								
	Generic	100%						
<b>Fire Suppression</b>								
Chemical System								
	Wet	100%			2027	\$26,700	1-3	\$4,200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Serves Cooking Area</i>					

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 163/LADDER 83  
**Address** : 875 JEWETT AVENUE  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.163 / 13093 **Yr Built/Renovated** : 1932 /  
**Area Sq Ft** : 8,408 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 14-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 377 **Lot** : 18 **BIN** : 5010816

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Interior Architecture	\$160,300	
<b>Total</b>	<b>\$160,300</b>	
Importance Code B	\$160,300	
<b>Total</b>	<b>\$160,300</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$60,500		\$3,800	
Interior Architecture	\$18,500		\$1,000	\$1,400
Electrical	\$400	\$300	\$400	\$300
Mechanical	\$4,500	\$2,100	\$15,100	\$1,500
Site Enclosure	\$2,700			
<b>Total</b>	<b>\$86,600</b>	<b>\$2,400</b>	<b>\$20,200</b>	<b>\$3,100</b>
Importance Code A	\$61,400	\$800	\$4,600	\$800
Importance Code B	\$11,600	\$1,600	\$15,600	\$1,500
Importance Code C	\$13,600			\$800
<b>Total</b>	<b>\$86,600</b>	<b>\$2,400</b>	<b>\$20,200</b>	<b>\$3,100</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**  
**ENGINE CO. 163/LADDER 83**  
**Asset # : 13093**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	0-2	\$11,900	LIFE	**	5	\$19,300	
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front And Side Facades</i>								
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade, Right Side Facade, Near Front</i>								
Masonry: Granite	10%			LIFE	**	5	\$3,600	
Metal Sect. OHD	10%			2042	**	5	\$7,500	
Windows								
Aluminum	100%			2045	**	5	\$2,300	
Parapets								
Cast Stone/Terra Cotta	5%	0-2	\$800	LIFE	**	5	\$900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	85%			LIFE	**	5-10	\$13,900	
Masonry: Granite	10%			LIFE	**	5-10	\$3,300	
Roof								
Modified Bitumen	100%	0-2	\$30,100	2037	**			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$36,400	LIFE	**	5	\$12,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor Near Overhead Doors</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Cellar Front</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	10%			2038	**	5	\$1,100	
Quarry Tile	5%	Now	\$800	2034	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Sheet Vinyl/Rubber	30%			2034	**	5	\$5,100	
Terrazzo	5%			LIFE	**	5	\$900	

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. 163/LADDER 83**  
**Asset # : 13093**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	10%	4+	\$5,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Stair</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Weight Room, Basement</i>								
Ceramic Tile	10%			2038	**	5	\$1,600	
Concrete Masonry Unit	25%			LIFE	**	5	\$3,100	
Marble Panels	10%			LIFE	**	10	\$600	
Plaster	20%			LIFE	**	5-10	\$2,700	
SGFT/Glazed Masonry	25%			LIFE	**	10	\$2,000	
Ceilings								
AcousTileSusp.Lay-In	17%			2042	**	5	\$1,900	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	33%	Now	\$123,900	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Structurally Insufficient</i>								
Plaster	50%			LIFE	**	5-10	\$9,800	
Site Enclosure								
Fence/Gates								
Chain Link	75%	2-4	\$2,700	2049	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Impact Damage, Extent : Light, Area Affected : 5%</i>								
<i>Location : South Side</i>								
Iron Picket	25%			2064	**			
Retaining Walls								
Cast in Place Concrete	100%			2064	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
On-Site Walkways								
Cast in Place Concrete	100%			2042	**			
Parking/Driveway								
Cast in Place Concrete	100%			2042	**			

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

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2039	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2039	**	5	\$200	
Raceway								
Conduit	100%			2039	**	1		
Panelboards								
Fused Disc Sw	5%			2037	**	5		
Molded Case Bkrs	95%			2037	**	5	\$200	
Wiring								
Thermoplastic	100%			2039	**	1		
Motor Controllers								
Locally Mounted	100%			2034	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2034	**	1	\$2,600	
Lighting								
Interior Lighting								
Fluorescent	60%			2034	**	10	\$4,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And 1st Floor</i>								
LED	40%			2039	**			
Egress Lighting								
Exit, Service	50%			2029	\$500	1		
No Component	50%							
Exterior Lighting								
HID	100%			2029	\$32,400	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$8,300	
Distribution								
Central Plant Steam	100%			2049	**	4	\$600	
Piping/Pmp								

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. 163/LADDER 83**  
**Asset # : 13093**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
	Terminal Devices							
	Convactor/Radiator	100%			2042	**	1	\$2,700
<b>Air Conditioning</b>								
	Energy Source							
	Electricity	100%			2045	**	1	
	Conversion Equipment							
	Window/Wall Unit	80%			2022	\$13,400	1	
	No Component	20%						
<b>Ventilation</b>								
	Exhaust Fans							
	Wall Unit	100%			2029	\$2,900	2	\$300
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%	0-2	\$3,000	2039	**	1	
				<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
	Water Heater							
	Gas Fired	100%			2027	\$4,900	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : One 75 Gallon Unit</i>				
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2022	\$300	4	\$300
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 3 Pumps</i>				
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2034	**	1	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Serves Boiler Only</i>				
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Chemical System							
	Wet	100%			2027	\$26,700	1-3	\$4,200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : Serves Cooking Area</i>				

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 164/LADDER CO. 84  
**Address** : 1570 DRUMGOOLE ROAD W. @ ELLSWORTH AVE.  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.164 / 13094 **Yr Built/Renovated** : 1937 / 2003  
**Area Sq Ft** : 5,504 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 07-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Floors 1,2  
**Block** : 6828 **Lot** : 65 **BIN** : 5083491

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Electrical		\$13,800
<b>Total</b>		<b>\$13,800</b>
Importance Code B		\$13,800
<b>Total</b>		<b>\$13,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$23,500		\$2,900	
Interior Architecture	\$75,200		\$1,400	\$200
Electrical	\$600	\$900	\$400	\$400
Mechanical	\$1,100	\$1,500	\$1,200	\$1,100
Site Enclosure	\$1,300			
Site Pavements	\$1,700			
<b>Total</b>	<b>\$103,400</b>	<b>\$2,500</b>	<b>\$5,900</b>	<b>\$1,700</b>
Importance Code A	\$24,100	\$500	\$3,400	\$500
Importance Code B	\$52,400	\$1,900	\$2,500	\$1,200
Importance Code C	\$26,900			
<b>Total</b>	<b>\$103,400</b>	<b>\$2,500</b>	<b>\$5,900</b>	<b>\$1,700</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**  
**ENGINE CO. 164/LADDER CO. 84**  
**Asset # : 13094**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Exterior Walls									
Masonry: Brick	70%			LIFE	**	5	\$32,300		
Masonry: Granite	5%			LIFE	**	5	\$1,700		
Masonry: Limestone	10%			LIFE	**	5	\$3,500		
Wood	5%			2042	**	5	\$5,800		
Wood Overhead Doors	10%			2034	**	5	\$11,500		
Windows									
Aluminum	100%			2045	**	5	\$2,100		
Roof									
Asphalt Shingle	100%	Now	\$3,700	2038	**				
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Throughout</i>									
<i>Patching Evident, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Over Office</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Throughout</i>									
Soffits									
Wood	100%			2034	**	5			
Interior									
Floors									
Cast in Place Concrete	60%	Now	\$25,300	LIFE	**	5	\$13,100		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : 1st Floor</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Basement</i>									
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Apparatus Floor</i>									
<i>Explanation : Apparatus Slab Is Original And Does Not Carry Current Loads</i>									
Ceramic Tile	5%			2038	**	5	\$500		
Quarry Tile	5%			2042	**	5	\$700		
Terrazzo	5%			LIFE	**	5	\$800		
Vinyl Tile	25%			2034	**	3	\$900		
Interior Walls									
Cast in Place Concrete	25%	Now	\$11,000	LIFE	**				
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Basement</i>									
Gypsum Board	5%			LIFE	**	5-10	\$1,200		
Plaster	35%			LIFE	**	5-10	\$4,100		
SGFT/Glazed Masonry	35%	2-4	\$9,500	LIFE	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Throughout</i>									

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 164/LADDER CO. 84**  
**Asset # : 13094**

<b>Architecture</b>		<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>		
Interior									
Ceilings									
AcousTileSusp.Lay-In	15%			2042	**	5	\$1,500		
Exposed Concrete	30%	Now	\$19,600	LIFE	**	5	\$500		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>									
<i>Location : Throughout</i>									
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
Plaster	55%			LIFE	**	5-10	\$9,400		
Site Enclosure									
Fence/Gates									
Chain Link	50%	Now	\$1,300	2039	**				
<i>Impact Damage, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Rear Gate</i>									
Wood	50%			2030	**				
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Rear Yard</i>									
<i>Explanation : PVC Fence</i>									
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%			2042	**				
On-Site Walkways									
Cast in Place Concrete	100%	Now	\$1,700	2042	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Side Yard</i>									
Parking/Driveway									
Asphalt	100%			2038	**				
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Fdny Parking Lot</i>									
<i>Explanation : Located Across Street From Firehouse</i>									
<b>Electrical</b>		<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>		
Under 600 Volts									
Service Equipment									
Fused Disc Sw	100%			2029	\$4,900	5			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>									
Raceway									
Conduit	95%			2029	\$30,400	1			
Conduit	5%			2055	**	1			

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 164/LADDER CO. 84**  
**Asset # : 13094**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Panelboards								
Fused Disc Sw	4%			2028	\$1,600	5		
Fused Disc Sw	1%			2051	**	5		
Molded Case Bkrs	35%			2028	\$13,800	5	\$100	
Molded Case Bkrs	60%			2051	**	5	\$100	
Wiring								
Thermoplastic	40%			2029	\$11,300	1		
Thermoplastic	60%			2055	**	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	**	1	\$1,700	
Generators								
Diesel	100%			2042	**	1	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 60 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2024	\$1,500	5	\$200	
Fuel Storage								
Day Tank	100%			2051	**	5	\$1,000	
Lighting								
Interior Lighting								
LED	100%			2037	**			
Exterior Lighting								
LED	100%			2037	**			

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2055	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$5,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Natural Gas Fired Steam Boiler</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2049	**	4	\$400	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 164/LADDER CO. 84**  
**Asset # : 13094**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
	Terminal Devices							
	Convactor/Radiator	100%		2034	**	1	\$1,800	
<b>Air Conditioning</b>								
	Energy Source							
	Electricity	100%		2051	**	1		
	Conversion Equipment							
	Window/Wall Unit	30%		2027	\$3,300	1		
	Window/Wall Unit	70%		2024	\$7,700	1		
<b>Ventilation</b>								
	Exhaust Fans							
	Interior	100%		2037	**	2	\$200	
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%		2039	**	1		
	Water Heater							
	Gas Fired	100%		2027	\$3,200	2	\$100	
	Sanitary Piping							
	Cast Iron	100%		LIFE	**	1		
	Storm Drain Piping							
	Cast Iron	100%		LIFE	**	1		
	Sump Pump(s)							
	Submersible	100%		2022	\$200	4	\$200	
	Backflow Preventer							
	Generic	100%		2034	**	1	\$300	
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Chemical System							
	Generic	100%		2027	\$26,700	1-3	\$3,700	

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 13-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 949 **Lot** : 1 **BIN** : 5023532

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$156,400	\$102,800
Electrical		\$61,700
<b>Total</b>	<b>\$156,400</b>	<b>\$164,500</b>
Importance Code A	\$156,400	\$102,800
Importance Code B		\$61,700
<b>Total</b>	<b>\$156,400</b>	<b>\$164,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$43,400			\$1,800
Interior Architecture	\$28,700		\$3,300	
Electrical	\$100	\$100		
Mechanical	\$25,200	\$500	\$600	\$500
Site Pavements	\$5,900			
<b>Total</b>	<b>\$103,300</b>	<b>\$600</b>	<b>\$3,900</b>	<b>\$2,300</b>
Importance Code A	\$43,700	\$300	\$300	\$2,100
Importance Code B	\$41,400	\$300	\$3,600	\$200
Importance Code C	\$18,100			
<b>Total</b>	<b>\$103,300</b>	<b>\$600</b>	<b>\$3,900</b>	<b>\$2,300</b>



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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2049	**	10	\$300	
Masonry: Brick	65%	Now	\$156,400	LIFE	**	5	\$12,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Overhead Door Jambs</i>								
<i>Expansion Jnt Failure, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Relieving Angles</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Repointing Failure, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Upper Parapet Wall</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair Tower</i>								
<i>Weepholes Not Funct, Extent : Severe, Area Affected : 50%</i>								
<i>Location : At Relieving Angle - Parking Lot</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : At Relieving Angle - Parking Lot</i>								
<i>Explanation : Missing Masonry Weeps</i>								
Metal Panel	20%			2039	**	5-10	\$26,900	
<i>Deformed/Dented, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
<i>Insul Deter/Miss, Extent : Light, Area Affected : 5%</i>								
<i>Location : Addition For Hazmat Vehicle</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Side Truck Bay</i>								
Metal Sect. OHD	10%			2034	**	5	\$6,100	
Windows								
Aluminum	100%	Now	\$9,600	2037	**	5	\$1,100	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$5,100	
Masonry: Brick	90%			LIFE	**	5-10	\$11,100	
Roof								
Asphalt Shingle	10%			2038	**	10	\$200	
Modified Bitumen	70%	0-2	\$20,600	2029	\$102,800			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Seams Open/Split, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Roll Roofing	20%			2028	\$8,900	5	\$3,500	
Soffits								
Metal Panel	100%			2049	**	5-10		

## Interior

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%	0-2	\$900	LIFE	**	5	\$9,500	
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	20%	0-2	\$4,300	2038	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Sheet Vinyl/Rubber	40%			2037	**	5	\$6,500	
Interior Walls								
Cast in Place Concrete	5%	Now	\$4,800	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar Foundation Wall</i>								
Ceramic Tile	20%	Now	\$4,200	2042	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Concrete Masonry Unit	5%			LIFE	**	5	\$600	
Gypsum Board	10%	Now	\$300	LIFE	**	5	\$900	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Mold Growing</i>								
Plaster	30%	Now	\$3,700	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair Tower</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout The East Wall And Stair Tower</i>								
SGFT/Glazed Masonry	30%			LIFE	**	10	\$2,200	
Ceilings								
AcousTileSusp.Lay-In	20%			2034	**	5	\$2,200	
Exposed Concrete	10%			LIFE	**	5-10	\$1,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Apparatus Floor</i>								
Gypsum Board	10%			LIFE	**	5-10	\$3,700	
Plaster	60%	Now	\$4,400	LIFE	**	5	\$4,100	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor And Stair Tower</i>								
Site Enclosure								
Fence/Gates								
Chain Link	75%			2049	**			
Wood	25%			2030	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Actually Vinyl Picket Fence</i>								
Free Standing Walls								
Cast in Place Concrete	100%			2064	**			

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Site Enclosure								
Retaining Walls								
Concrete Masonry Unit	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$3,300	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
On-Site Walkways								
Cast in Place Concrete	70%			2042	**			
Pavers/Stone	30%			2038	**			
Parking/Driveway								
Cast in Place Concrete	100%	4+	\$2,600	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2029	\$4,900	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement - Electric Closet</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
Raceway								
Conduit	90%			2029	\$28,800	1		
Conduit	10%			2055	**	1		
Panelboards								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	30%			2028	\$11,800	5	\$100	
Molded Case Bkrs	65%			2051	**	5	\$100	
Wiring								
Thermoplastic	50%			2029	\$14,200	1		
Thermoplastic	50%			2055	**	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
LED	100%			2039	**			

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Exterior Lighting								
HID	90%			2029	\$22,500	10		
Incandescent	10%			2029	\$2,100	2		
<b>Lightning Protection</b>								
Arresters/Cabling								
Generic	100%			2044	**	5	\$200	
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2042	**	1	\$3,200	
Distribution								
Hot Wtr Piping/Pump	50%			2037	**	4	\$200	
Hot Wtr Piping/Pump	50%	0-2	\$4,800	2054	**	4	\$200	
			<i>Corroded, Extent : Severe, Area Affected : 50%</i>					
			<i>Location : Throughout</i>					
			<i>Leak Evident, Extent : Severe, Area Affected : 50%</i>					
			<i>Location : Throughout</i>					
Terminal Devices								
Convactor/Radiator	70%			2034	**	1	\$1,500	
Unit Heater - Steam	10%			2034	**	4	\$100	
Unit Heater - Steam	20%	0-2	\$4,400	2039	**	4	\$100	
			<i>Corroded, Extent : Severe, Area Affected : 70%</i>					
			<i>Location : Apparatus Area</i>					
			<i>Leak Evident, Extent : Severe, Area Affected : 70%</i>					
			<i>Location : Apparatus Area</i>					
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2051	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2034	**	2	\$100	
Window/Wall Unit	20%			2027	\$2,600	1		
No Component	50%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$600	
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : First Floor Toilet Room</i>					
			<i>Explanation : Toilet Exhaust Ductwork And Grilles</i>					
No Component	90%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* 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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Ventilation</b>								
Exhaust Fans								
Interior	90%			2034	**	2	\$200	
Wall Unit	10%			2034	**	2		
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Exterior Wall</i>						
		<i>Explanation : Wall Mounted Hood Exhaust Fan</i>						
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	10%			2055	**	1		
Galvanized Steel	90%			2042	**	1		
<b>Water Heater</b>								
Gas Fired	100%			2028	\$3,800	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Cellar</i>						
		<i>Explanation : One 75 Gallon Water Heater</i>						
<b>Sanitary Piping</b>								
Cast Iron	60%			LIFE	**	1		
Cast Iron	10%			LIFE	**	1		
Cast Iron	30%	0-2	\$13,600	LIFE	**	1		
		<i>Broken, Extent : Severe, Area Affected : 30%</i>						
		<i>Location : Throughout</i>						
		<i>Corroded, Extent : Severe, Area Affected : 30%</i>						
		<i>Location : Throughout</i>						
		<i>Leak Evident, Extent : Severe, Area Affected : 30%</i>						
		<i>Location : Throughout</i>						
<b>Storm Drain Piping</b>								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	0-2	\$1,300	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : Apparatus Floor Drain</i>						
<b>Sump Pump(s)</b>								
Submersible	100%	Now	\$200	2024	\$200	4	\$100	
		<i>Unit Inoperable, Extent : Severe, Area Affected : 30%</i>						
		<i>Location : Cellar</i>						
<b>Fixtures</b>								
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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 6,760 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 14-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 1612 **Lot** : 5 **BIN** : 5031692

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$138,200	
Electrical		\$33,400
<b>Total</b>	<b>\$138,200</b>	<b>\$33,400</b>
Importance Code A	\$138,200	
Importance Code B		\$33,400
<b>Total</b>	<b>\$138,200</b>	<b>\$33,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$50,300			
Interior Architecture	\$35,000		\$800	\$2,000
Electrical	\$100			\$100
Mechanical	\$7,600	\$1,500	\$11,800	\$900
Site Enclosure	\$4,400			
Site Pavements	\$12,800			
<b>Total</b>	<b>\$110,200</b>	<b>\$1,500</b>	<b>\$12,700</b>	<b>\$2,900</b>
Importance Code A	\$50,700	\$300	\$300	\$300
Importance Code B	\$31,100	\$1,200	\$12,300	\$1,900
Importance Code C	\$28,400			\$700
<b>Total</b>	<b>\$110,200</b>	<b>\$1,500</b>	<b>\$12,700</b>	<b>\$2,900</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**  
**ENGINE CO. 166/LADDER CO. 86**  
**Asset # : 13096**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%	0-2	\$52,200	LIFE	**	5	\$17,000	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : Rear Right Side At 2nd Floor, Rear Facade (1st Floor To Roof) And Front Facade Near House Watch Office</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Right Side Of Dormitory And TV Room</i>								
Wood	10%	Now	\$50,400	2042	**	5	\$4,700	
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : South Side Storage</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : South Side Storage</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Side Storage</i>								
Windows								
Aluminum	100%	Now	\$35,600	2037	**	5	\$1,000	
<i>Air Infiltration, Extent : Severe, Area Affected : 75%</i>								
<i>Location : House Watch Office And Throughout</i>								
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%	Now	\$4,400	LIFE	**	5	\$2,600	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Coping At Main Roof</i>								
Masonry: Brick	85%	Now	\$5,700	LIFE	**	5	\$1,900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Roll Roofing	95%	Now	\$33,500	2031	**	5	\$6,600	1
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 8%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : Around Roof Drain</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Above Dormitory And Along Flashing</i>								
Single Ply Membrane	5%	Now	\$6,800	2039	**			
<i>Drains Clogged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Above Stair</i>								
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Above Stair</i>								
<i>Ponding, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Above Stair</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Above Stair</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Above Stair</i>								
<i>Explanation : Roofing Covers Drain</i>								
Interior								
Floors								
Carpet	5%			2025	\$6,400	3	\$1,000	
Cast in Place Concrete	45%	Now	\$2,400	LIFE	**	5	\$9,700	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Ground Water At Cellar</i>								
Ceramic Tile	15%			2038	**	5	\$1,500	
Quarry Tile	5%			2042	**	5	\$700	
Vinyl Tile	5%	Now	\$200	2034	**	3	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Office</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Vinyl Tile 9" X 9"	20%	Now	\$2,200	2034	**	3	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout 2nd Floor</i>								
Wood	5%			2057	**	5	\$900	

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	10%			2038	**	5	\$1,300	
Concrete Masonry Unit	5%			LIFE	**	5	\$500	
Gypsum Board	10%			LIFE	**	5-10	\$2,300	
Plaster	30%	Now	\$6,500	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stair</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Staircase</i>								
SGFT/Glazed Masonry	45%			LIFE	**	10	\$3,000	
Ceilings								
AcousTileSusp.Lay-In	30%	Now	\$7,300	2042	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement, Locker Room, Gymnasium, Kitchen</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement, Locker Room, Gymnasium, Kitchen</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement, Locker Room, Gymnasium</i>								
Gypsum Board	8%			LIFE	**	5-10	\$2,700	
Plaster	60%	Now	\$7,900	LIFE	**	5	\$3,700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cellar And 2nd Floor Bathroom</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Dormitory</i>								
Wood	2%			LIFE	**	5	\$3,400	
Site Enclosure								
Fence/Gates								
Chain Link	75%			2049	**			
Wood	25%	Now	\$4,400	2027	\$8,800			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Retaining Walls								
Cast in Place Concrete	100%			2064	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
On-Site Walkways								
Asphalt	100%	Now	\$800	2038	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

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

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

## Site Pavements

Parking/Driveway  
Asphalt

100% Now \$11,900 2038 \* \*  
*Cracking/Crumbling, Extent : Moderate, Area Affected : 25%*  
*Location : Throughout*  
*Other Observation, Extent : Severe, Area Affected : 2%*  
*Location : North Side Driveway*  
*Explanation : Areaway Grating Not Adequate For Traffic*

Electrical		Current Repair		Future Replacement		Maintenance		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% 2039 \* \* 5  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Basement*  
*Explanation : One 400 Amperes*

## Switchgear / Switchboard

Molded Case Bkrs

100% 2039 \* \* 5 \$200

## Raceway

Conduit

90% 2029 \$28,800 1

Conduit

10% 2039 \* \* 1

## Panelboards

Fused Disc Sw

5% 2028 \$2,000 5

Molded Case Bkrs

85% 2028 \$33,400 5 \$200

Molded Case Bkrs

10% 2037 \* \* 5

## Wiring

Braided Cloth

20% 2028 \$5,700 1

Thermoplastic

70% 2029 \$19,800 1

Thermoplastic

10% 2039 \* \* 1

## Motor Controllers

Locally Mounted

100% 2027 \$14,700 5

## Ground

Grounding Devices

Generic

100% LIFE \* \* 5 \$200

## Lighting

Interior Lighting

Fluorescent

30% 2034 \* \* 10 \$1,900  
*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%*  
*Location : 2nd Floor*

Incandescent

2% 2024 \$900 2

LED

68% 2037 \* \*

Exterior Lighting

HID

100% 2024 \$26,100 10

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2042	**	1	\$3,300	
Distribution								
Hot Wtr Piping/Pump	100%			2045	**	4	\$500	
Terminal Devices								
Convactor/Radiator	100%	Now	\$6,900	2034	**	1	\$2,000	
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Broken Convactor Covers</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2022		1	\$10,800	
No Component	20%							
Ventilation								
Exhaust Fans								
Roof	100%			2029		2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Water Heater								
Gas Fired	100%			2027		2	\$3,900	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2022		4	\$200	\$200
Backflow Preventer								
No Component	95%							
Generic	5%			2034	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
Generic	100%							
Fire Suppression								

*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. 166/LADDER CO. 86**  
**Asset # : 13096**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>			
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Fire Suppression	Chemical System								
	Wet	100%			2027	\$26,700	1-3	\$4,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Kitchen</i> <i>Explanation : Serves Cooking Area</i>									

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 167/LADDER CO. 87  
**Address** : 345 ANNADALE ROAD  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.167 / 13097 **Yr Built/Renovated** : 1971 / 2003  
**Area Sq Ft** : 8,390 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 07-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5642 **Lot** : 6 **BIN** : 5075428

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$99,500	
Electrical		\$79,400
<b>Total</b>	<b>\$99,500</b>	<b>\$79,400</b>
Importance Code A	\$99,500	
Importance Code B		\$79,400
<b>Total</b>	<b>\$99,500</b>	<b>\$79,400</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$26,100			
Interior Architecture	\$41,100		\$600	\$600
Electrical	\$900	\$600	\$3,100	\$700
Mechanical	\$10,000	\$1,700	\$1,500	\$1,000
Site Enclosure	\$5,800			
Site Pavements	\$3,800			
<b>Total</b>	<b>\$87,700</b>	<b>\$2,300</b>	<b>\$5,200</b>	<b>\$2,300</b>
Importance Code A	\$26,500	\$400	\$400	\$400
Importance Code B	\$31,400	\$1,900	\$4,800	\$1,900
Importance Code C	\$29,800			
<b>Total</b>	<b>\$87,700</b>	<b>\$2,300</b>	<b>\$5,200</b>	<b>\$2,300</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**  
**ENGINE CO. 167/LADDER CO. 87**  
**Asset # : 13097**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	70%	0-2	\$39,800	LIFE	**	5	\$12,900	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 10%</i>								
<i>Location : All Elevations And Chimney</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : All Elevations</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : At Building Perimeter Base Of Masonry Wall</i>								
<i>Explanation : Deteriorated Pavement Sealant</i>								
Metal Panel	5%			2039	**	5-10	\$6,400	
Pre-Cast Concrete	15%	0-2	\$4,700	LIFE	**	5	\$9,000	
<i>Open Joints, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	10%	Now	\$59,700	2049	**	5	\$4,600	
<i>Paint Peeling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<b>Windows</b>								
Aluminum	100%	Now	\$10,500	2054	**	5	\$1,200	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rusted Insect Screens Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
<b>Parapets</b>								
Masonry: Brick	40%			LIFE	**	5-10	\$6,100	
Pre-Cast Concrete	60%	0-2	\$2,400	LIFE	**	5	\$8,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Coping Joints Are Deteriorated</i>								
<b>Roof</b>								
Modified Bitumen	100%	Now	\$3,300	2034	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Over Stair</i>								

**Interior**

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	60%	0-2	\$4,000	LIFE	**	5	\$16,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout The Apparatus Floor</i>								
Ceramic Tile	10%			2038	**	5	\$1,300	
Sheet Vinyl/Rubber	30%			2034	**	5	\$5,700	
<b>Interior Walls</b>								
Cast in Place Concrete	20%	Now	\$11,800	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Pipe And Steel Penetrations In Basement</i>								
Concrete Masonry Unit	25%	4+	\$2,100	LIFE	**	5	\$1,800	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stair</i>								
Gypsum Board	10%			LIFE	**	5-10	\$3,100	
SGFT/Glazed Masonry	40%			LIFE	**	10	\$3,700	
Wood	5%			LIFE	**	5	\$7,300	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2042	**	5	\$1,300	
Exposed Concrete	70%			LIFE	**	5-10	\$11,100	
Gypsum Board	10%			LIFE	**	5-10	\$4,300	
Plaster	10%			LIFE	**	5-10	\$2,200	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%	Now	\$5,800	2049	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Impact Damage, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Parking Lot Gate, Low Fence At Ramp</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%	Now	\$3,100	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	84%	Now	\$700	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Entrance</i>								
Cast in Place Concrete	16%			2042	**			
<b>Parking/Driveway</b>								
Asphalt	100%			2038	**			

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

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. 167/LADDER CO. 87**  
**Asset # : 13097**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Under 600 Volts								
Service Equipment								
	Molded Case Bkrs	100%			2029	\$4,900	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 200 Ampere Main Disconnect Switches</i>								
Switchgear / Switchboard								
	Molded Case Bkrs	100%			2029	\$49,900	5	\$200
Raceway								
	Conduit	95%			2029	\$30,400	1	
	Conduit	5%			2055	**	1	
Panelboards								
	Fused Disc Sw	5%			2028	\$2,000	5	
	Molded Case Bkrs	20%			2051	**	5	
	Molded Case Bkrs	75%			2028	\$29,500	5	\$200
Wiring								
	Thermoplastic	95%			2029	\$26,900	1	
	Thermoplastic	5%			2055	**	1	
Motor Controllers								
	Locally Mounted	100%			2027	\$14,700	5	\$100
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$200
Stand-by Power								
Transfer Switches								
	Automatic	100%			2034	**	1	\$2,600
Generators								
	Diesel	100%			2032	**	1	\$3,300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 80 Kilo-volt-ampere</i>								
Batteries								
	Lead/Acid	100%			2022	\$1,500	5	\$300
Fuel Storage								
	Day Tank	100%			2037	**	5	\$1,600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 60 Gallon</i>								
Lighting								
Interior Lighting								
	Fluorescent	60%			2034	**	10	\$4,600
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, 1st Floor, And Gymnasium 2nd Floor</i>								
	LED	40%			2037	**		
Egress Lighting								
	Emergency, Service	60%			2037	**	1	
	Exit, LED	40%			2064	**	1	

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

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

## Lighting

## Exterior Lighting

HID	100%			2024	\$32,300	10		
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## Lightning Protection

## Arresters/Cabling

Generic	100%			2032	**	5	\$200	
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<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Heating

## Energy Source

Natural Gas	100%			2049	**	1		
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## Conversion Equipment

Hot Water Boiler	100%			2034	**	1	\$4,200	
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## Distribution

Hot Wtr Piping/Pump	100%			2045	**	4	\$600	
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## Terminal Devices

Convactor/Radiator	90%			2042	**	1	\$2,400	
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Fan Coil Unit/Heat	10%	0-2	\$2,400	2029	\$12,000	1	\$200	
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*Malfunctioning, Extent : Moderate, Area Affected : 100%*

*Location : 1st Floor Ceiling*

## Air Conditioning

## Energy Source

Electricity	100%			2051	**	1		
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## Conversion Equipment

Split Unit	20%			2039	**			
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*Recent Installation, Extent : Light, Area Affected : 100%*

*Location : Roof*

Window/Wall Unit	40%			2027	\$6,700	1		
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No Component	40%							
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## Ventilation

## Distribution

Ductwork/Diffusers	60%			LIFE	**	2-5	\$4,400	
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No Component	40%							
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## Exhaust Fans

Interior	5%	0-2	\$1,400	2039	**	2		
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*Unit Inoperable, Extent : Moderate, Area Affected : 5%*

*Location : Apparatus Area*

Interior	5%			2034	**	2		
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Roof	90%	0-2	\$3,600	2034	**	2	\$200	
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*Malfunctioning, Extent : Moderate, Area Affected : 100%*

*Location : Roof*

## Plumbing

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	20%			2049	**	1	
	Galvanized Steel	80%			2034	**	1	
	<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Cellar</i>							
	<i>Explanation : No Dielectric Fitting Between Copper And Steel Pipe</i>							
	Water Heater							
	Gas Fired	100%			2027	\$4,900	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Cellar</i>							
	<i>Explanation : Two 75 Gallon Water Heaters</i>							
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%			2034	**	4	\$200
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Chemical System							
	Wet	100%			2027	\$26,700	1-3	\$4,200
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : Over Range</i>							

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 09-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 7067 **Lot** : 252 **BIN** : 5851738

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$164,600	\$427,900
Mechanical		\$120,300
<b>Total</b>	<b>\$164,600</b>	<b>\$548,200</b>
Importance Code A	\$164,600	\$427,900
Importance Code B		\$120,300
<b>Total</b>	<b>\$164,600</b>	<b>\$548,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$28,400		\$2,400	\$300
Interior Architecture	\$58,500	\$1,500	\$4,500	\$1,100
Electrical	\$3,600	\$4,400	\$21,000	\$3,200
Mechanical	\$4,700	\$2,300	\$2,900	\$2,500
<b>Total</b>	<b>\$95,200</b>	<b>\$8,200</b>	<b>\$30,800</b>	<b>\$7,100</b>
Importance Code A	\$29,400	\$1,000	\$3,400	\$1,300
Importance Code B	\$36,000	\$7,200	\$27,400	\$5,800
Importance Code C	\$29,800			
<b>Total</b>	<b>\$95,200</b>	<b>\$8,200</b>	<b>\$30,800</b>	<b>\$7,100</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION**  
**Asset # : 13581**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Glass Block	2%			LIFE	**	5	\$300	
Masonry: Brick Cavity	75%	2-4	\$36,300	LIFE	**	5	\$19,000	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Perimeter Windows</i>								
Metal Panel	5%			2047	**	5-10	\$8,700	
Metal Coiling Doors	15%	4+	\$4,400	2040	**	5	\$5,900	
<i>Deformed/Dented, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Stucco Cement	3%	Now	\$4,500	2040	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Underside Of Soffit Over Main Entrance</i>								
Windows								
Aluminum	98%			2043	**	5	\$600	
Aluminum	2%			2043	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Watch Command</i>								
<i>Explanation : Specialty Glass</i>								
Parapets								
Metal Rail	60%			2040	**	5-10	\$32,100	
No Component	40%							
Roof								
Modified Bitumen	100%	2-4	\$128,400	2027			\$427,900	
<i>Alligatoring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	40%	4+	\$12,800	LIFE	**	5	\$26,300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Corridors</i>								
Ceramic Tile	10%			2036	**	5	\$3,000	
Sheet Vinyl/Rubber	20%			2032	**	5	\$9,000	
Vinyl Tile	30%			2032	**	3	\$4,500	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION**  
**Asset # : 13581**

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

## Interior

## Interior Walls

Cast in Place Concrete	15%	Now	\$11,500	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Corridor - Foundation Wall</i>								
Concrete Masonry Unit	68%	2-4	\$18,300	LIFE	**	5	\$6,500	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout Basement</i>								
Glass Block	5%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$1,400	
Metal Panel	2%			LIFE	**			

## Ceilings

Exposed Concrete	30%	2-4	\$14,800	LIFE	**	5	\$1,400	
<i>Diagonal Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement Ceiling Throughout</i>								
Exposed Struc: Steel	40%			LIFE	**			
Gypsum Board	5%			LIFE	**	5	\$1,900	
Metal Panel	25%			LIFE	**	5	\$9,400	

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

## Under 600 Volts

## Service Equipment

Fused Disc Sw	75%			2047	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 800 Amperes.</i>								
Photovoltaic Panel(s)	25%			2036	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement And Roof</i>								
<i>Explanation : Photovoltaic Panels Observed On Roof. Photovoltaic Equipment Observed In Electric Room In Basement</i>								

## Switchgear / Switchboard

Fused Disc Sw	100%			2047	**	5	\$100	
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## Raceway

Conduit	100%			2047	**	1		
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## Panelboards

Fused Disc Sw	5%			2043	**	5		
Molded Case Bkrs	95%			2043	**	5	\$500	

## Wiring

Thermoplastic	100%			2047	**	1		
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## Motor Controllers

Locally Mounted	100%			2040	**	5	\$100	
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$300	
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION**  
**Asset # : 13581**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
Automatic	100%			2040	**	1	\$6,200	
<b>Generators</b>								
Diesel	100%			2036	**	1	\$7,800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Emergency Generator Rated At 80kva</i>								
<b>Batteries</b>								
Lead/Acid	100%			2021	\$1,500	5	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior Rear Yard</i>								
<i>Explanation : Within Generator Enclosure</i>								
<b>Fuel Storage</b>								
Main Tank	100%			2055	**	5	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 60 Gallons Rated Capacity</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	98%			2032	**	10	\$18,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	2%			2032	**	10	\$400	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Staircase</i>								
<b>Egress Lighting</b>								
Emergency, Service	50%			2032	**	1		
Exit, LED	50%			2055	**	1		
<b>Exterior Lighting</b>								
HID	20%			2032	**	10		
No Component	80%							
<b>Lightning Protection</b>								
<b>Arresters/Cabling</b>								
Generic	100%			2055	**	5	\$600	
<b>Alarm</b>								
<b>Fire/Smoke Detection</b>								
Generic, Digital	100%			2032	**	1-3	\$12,800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Horns And Strobe Lights</i>								

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

Heating

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION**  
**Asset # : 13581**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Furnace	50%			2027	\$22,600	1	\$5,000	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Roof Top Package Units</i>								
Hot Water Boiler	50%			2044	**	1	\$5,000	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	50%			2043	**	4	\$500	
No Component	50%							
Terminal Devices								
Convactor/Radiator	10%			2040	**	1	\$700	
Unit Heater - Steam	40%	Now	\$2,700	2027	\$27,500	4	\$700	
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Garage Area</i>								
<i>Explanation : Not Functioning</i>								
No Component	50%							
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2027	\$120,300	2	\$600	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 50%</i>								
<i>Location : 5 Package Units, Roof</i>								
Split Unit	10%			2035	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units. R-410a</i>								
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2035	**	1	\$700	
No Component	90%							
Heat Rejection								
Dry Cooler	10%			2035	**	2	\$1,400	
No Component	90%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$6,700	
No Component	40%							
Exhaust Fans								
Roof	100%			2027	\$31,900	2	\$600	

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION**  
**Asset # : 13581**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
H/C Water Piping	Brass/Copper	100%			2047	**	1	
Water Heater	Gas Fired	100%			2025	\$11,700	2	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : Two 75 Gallon Water Heaters</i>								
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sewage Ejector(s)	Electric	100%			2032	**	4	\$1,200
Backflow Preventer	Generic	100%			2032	**	1	\$1,200
<b>Fixtures</b>								
	Generic	100%						
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Area</i>								
<i>Explanation : Apparatus Area Drinking Fountain Not Operating</i>								
<b>Fire Suppression</b>								
<b>Sprinkler</b>								
	No Component	80%						
	Generic	20%			2047	**	1-2	\$1,100
<b>Chemical System</b>								
	Generic	100%			2025	\$26,700	1-3	\$3,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set Unit</i>								

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

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

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$111,900	
Interior Architecture		\$99,100
Electrical	\$37,100	\$31,500
<b>Total</b>	<b>\$149,000</b>	<b>\$130,600</b>
Importance Code A	\$111,900	
Importance Code B	\$37,100	\$130,600
<b>Total</b>	<b>\$149,000</b>	<b>\$130,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$7,300			\$16,800
Interior Architecture	\$58,200	\$900	\$1,300	\$1,400
Electrical	\$15,200	\$600	\$700	\$16,800
Mechanical	\$20,800	\$3,900	\$7,100	\$32,700
<b>Total</b>	<b>\$101,600</b>	<b>\$5,300</b>	<b>\$9,100</b>	<b>\$67,800</b>
Importance Code A	\$7,300			\$16,800
Importance Code B	\$88,900	\$5,300	\$8,400	\$51,000
Importance Code C	\$5,300		\$700	
<b>Total</b>	<b>\$101,600</b>	<b>\$5,300</b>	<b>\$9,100</b>	<b>\$67,800</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**  
**ENGINE CO. 17/LADDER CO.18 (COMBINED FACILITY)**

**Asset # : 13013**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Exterior Walls									
Masonry: Brick	93%			LIFE	**	5	\$8,100		
Metal Panel	2%			2048	**	5-10	\$1,200		
Metal Coiling Doors	5%	Now	\$5,000	2033	**	5	\$700		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Front Facade</i>									
Windows									
Steel	100%	Now	\$111,900	2053	**	5	\$13,100		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
<i>Explanation : Deteriorated</i>									
Parapets									
Masonry: Brick	90%			LIFE	**	5	\$5,300		
Metal Panel	10%	Now	\$2,300	2048	**	5	\$1,100		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>									
<i>Location : Fron Facade</i>									
Roof									
Built-Up (BUR)	100%			2033	**	10	\$16,500		
Interior									
Floors									
Cast in Place Concrete	40%	Now	\$19,400	LIFE	**	5	\$20,000		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : First Floor, No Access To Under Slab In Basement</i>									
Ceramic Tile	5%			2037	**	5	\$1,100		
Quarry Tile	5%			2041	**	5	\$1,700		
Vinyl Tile	50%	Now	\$5,000	2028	\$99,100	3	\$4,300		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Second Floor</i>									
Interior Walls									
Ceramic Tile	5%			2037	**	5	\$1,400		
Concrete Masonry Unit	45%			LIFE	**	5	\$5,200		
Gypsum Board	15%	Now	\$1,800	LIFE	**	5	\$2,600		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Second Floor</i>									
Plaster	15%	Now	\$3,500	LIFE	**	5	\$1,300		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Second Floor</i>									
SGFT/Glazed Masonry	20%			LIFE	**				
Ceilings									
AcousTileSusp.Lay-In	70%	Now	\$13,200	2033	**	5	\$8,000		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Exposed Concrete	25%			LIFE	**	5	\$900		
Plaster	5%	Now	\$15,300	LIFE	**	5	\$700		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Second Floor</i>									

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 17/LADDER CO.18 (COMBINED FACILITY)**  
**Asset # : 13013**

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

## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%			2041	**			
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## Parking/Driveway

Cast in Place Concrete	100%			2041	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Not Accessible	100%							
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*Other Observation, Extent : Light, Area Affected : 0%**Location :**Explanation : Electrically Feed From The Adjacent Building (Police Precinct)*

## Switchgear / Switchboard

Not Accessible	100%							
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*Other Observation, Extent : Light, Area Affected : 0%**Location :**Explanation : Electrically Feed From The Adjacent Building (Police Precinct)*

## Raceway

Conduit	20%			2048	**	1		
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Conduit	80%			2028	\$25,600	1		
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## Panelboards

Fused Disc Sw	5%			2027	\$2,000	5		
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Molded Case Bkrs	15%			2044	**	5	\$100	
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Molded Case Bkrs	80%			2027	\$31,500	5	\$300	
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## Wiring

Thermoplastic	20%			2048	**	1		
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Thermoplastic	80%			2028	\$22,700	1		
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## Motor Controllers

Locally Mounted	100%	Now	\$14,700	2048	**	5	\$100	
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*Other Observation, Extent : Severe, Area Affected : 100%**Location : Roof**Explanation : Not Functioning*

## Lighting

## Interior Lighting

Fluorescent	96%			2033	**	10	\$13,000	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Throughout The Building*

Fluorescent	2%			2033	**	10	\$300	
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*Compact Fluorescent Light, Extent : Light, Area Affected : 100%**Location : Office*

Fluorescent	2%			2023	\$800	10	\$300	
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*T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%**Location : Office*

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 17/LADDER CO.18 (COMBINED FACILITY)**  
**Asset # : 13013**

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

**Lighting**

Egress Lighting Exit, Service	100%			2023	\$1,700	1		
Exterior Lighting Fluorescent	75%			2023	\$36,300	10	\$1,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 6- CFL (Compact Fluorescent Light Fixtures)</i>						
LED	25%			2036	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 2 LED Light Fixtures</i>						

**Alarm**

Security System Generic	100%			2036	**	1	\$5,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 4 CCTV Surveillance Cameras</i>						

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

**Heating**

Energy Source Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Other Side Of Building</i>						
		<i>Explanation : Supplied From 7th Precinct</i>						
Conversion Equipment Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Supplied From The Precinct</i>						
		<i>Explanation : Inadequate Heat Supply</i>						
Distribution Hot Wtr Piping/Pump	100%			2044	**	4	\$1,100	
Terminal Devices Convactor/Radiator	90%	Now	\$3,400	2041	**	1	\$3,900	
		<i>Malfunctioning, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Control System In The Precinct</i>						
Fan Coil Unit/Heat	10%	Now	\$1,100	2033	**	1	\$400	
		<i>Malfunctioning, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Control System In The Precinct</i>						

**Air Conditioning**

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 17/LADDER CO.18 (COMBINED FACILITY)**  
**Asset # : 13013**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Other Side Of Building</i>								
<i>Explanation : Supplied From 7th Precinct</i>								
Conversion Equipment								
Window/Wall Unit	50%			2023	\$14,700	1		
Not Accessible	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Other Side Of Building</i>								
<i>Explanation : Supplied From 7th Precinct</i>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$19,200	
Terminal Devices								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Other Side Of Building</i>								
<i>Explanation : Supplied From 7th Precinct</i>								
Heat Rejection								
Not Accessible	100%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,200	
Exhaust Fans								
Roof	100%	Now	\$2,300	2033	**	2	\$400	
<i>Broken, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen - On The Roof</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	\$5,300	2054	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Water Heater								
Electric	100%	0-2	\$6,200	2023	\$12,400	4	\$100	
<i>Leak Evident, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 1st Floor Number 1 Hot Water Heater</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 2 - 119 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$1,500	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room - When It Rains Hard</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. 17/LADDER CO.18 (COMBINED FACILITY)**  
**Asset # : 13013**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Fixtures							
	Generic	100%						
			<i>Obsolete Fixtures, Extent : Severe, Area Affected : 40%</i>					
			<i>Location : Bathroom, Second Floor</i>					
Fire Suppression	Standpipe							
	Generic	100%			2048	**	1-5	\$7,500
	Sprinkler							
	No Component	50%						
	Generic	50%			2048	**	1-2	\$2,100
	Fire Pump							
	Not Accessible	100%						
	Chemical System							
	Dry	10%			2021	\$2,700	1-3	\$400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Model Rg-4gs</i>					
	No Component	80%						
	Generic	10%			2023	\$2,700	1-3	\$400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Fire Extinguishers</i>					

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

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 201/LADDER CO. 114  
**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** : 12-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 799 **Lot** : 5 **BIN** : 3013535

**CAPITAL****Total**

Importance Code

**Total**

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$1,300	\$2,900	\$4,200	
Interior Architecture	\$3,300			
Electrical	\$1,200	\$3,400	\$1,500	\$1,500
Mechanical	\$31,500	\$2,400	\$10,500	\$2,300
<b>Total</b>	<b>\$37,200</b>	<b>\$8,700</b>	<b>\$16,200</b>	<b>\$3,800</b>
Importance Code A	\$3,700	\$3,700	\$5,100	\$900
Importance Code B	\$31,500	\$5,000	\$11,100	\$3,000
Importance Code C	\$2,000			
<b>Total</b>	<b>\$37,200</b>	<b>\$8,700</b>	<b>\$16,200</b>	<b>\$3,800</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**  
**ENGINE CO. 201/LADDER CO. 114**  
**Asset # : 13098**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	85%			LIFE	**	5	\$13,000		
Metal Panel	10%			2036	**	5-10	\$10,500		
Metal Panel	5%			2052	**	5-10	\$5,300		
Windows									
Aluminum	100%			2042	**	5	\$700		
Parapets									
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$600		
Masonry: Brick	90%			LIFE	**	5	\$700		
Roof									
Modified Bitumen	95%	Now	\$1,300	2031	**				
<i>Drains Clogged, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Low Roof</i>									
Skylight, Metal/Glass	5%			2046	**	10	\$800		
Interior									
Floors									
Cast in Place Concrete	30%	4+	\$300	LIFE	**	5	\$3,300		
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>									
<i>Location : Apparatus Floor And Basement.</i>									
Ceramic Tile	5%			2035	**	5	\$200		
Panel/Paver: Concrete	5%	Now	\$300	2046	**				
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Inner Courtyard Area</i>									
Wood	60%			2054	**	5	\$5,600		
Interior Walls									
Cast in Place Concrete	5%			LIFE	**				
Concrete Masonry Unit	10%	2-4	\$1,600	LIFE	**	5	\$300		
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>									
<i>Location : Basement Entry Stairs, Both Sides.</i>									
Gypsum Board	75%	Now	\$400	LIFE	**	5	\$3,100		
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>									
<i>Location : Stairwell</i>									
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>									
<i>Location : Stairwell</i>									
Wood	10%			LIFE	**	5	\$2,700		
Ceilings									
AcousTileSusp.Lay-In	55%			2039	**	5	\$2,700		
Embossed Metal	30%			LIFE	**	5	\$700		
Gypsum Board	10%	0-2	\$500	LIFE	**	5	\$600		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>									
<i>Location : Basement Stair.</i>									
<i>Other Observation, Extent : Light, Area Affected : 2%</i>									
<i>Location : Engine Bunk Room.</i>									
<i>Explanation : Paint Peeling.</i>									
Wood	5%			LIFE	**	5	\$2,200		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 201/LADDER CO. 114**

**Asset # : 13098**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2052	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 600 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2052	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 600 Amperes</i>								
Raceway								
Conduit	100%			2052	**	1		
Panelboards								
Molded Case Bkrs	100%			2048	**	5	\$500	
Wiring								
Thermoplastic	100%			2052	**	1		
Motor Controllers								
Locally Mounted	100%			2043	**	5	\$100	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2043	**	1	\$5,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room (Basement)</i>								
<i>Explanation : One (1) 600 Amperes (1) 70 Amperes</i>								
Generators								
Diesel	100%			2039	**	1	\$6,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room (Basement)</i>								
<i>Explanation : 117.3 Kw</i>								
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$700	
Fuel Storage								
Main Tank	100%			2061	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 25 Gallon Tank</i>								
<b>Lighting</b>								
Interior Lighting								
Fluorescent	100%			2034	**	10	\$16,300	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Emergency, Battery	50%			2034	**	10	\$2,100	
Exit, Battery	50%			2034	**	10	\$600	

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Lighting								
Exterior Lighting								
HID	100%			2031	**	10	\$100	

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2046	**	1		
Conversion Equipment								
Furnace	50%	Now	\$2,000	2031	**	1	\$4,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 6 Roof Top Units</i>								
<i>Explanation : Ongoing Control Issues</i>								
Hot Water Boiler	50%			2039	**	1	\$4,400	
Distribution								
Ductwork/Diffusers	50%	Now	\$11,200	LIFE	**	2-5	\$5,000	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Hot Wtr Piping/Pump	50%			2042	**	4	\$400	
Terminal Devices								
Convactor/Radiator	95%			2039	**	1	\$5,500	
Fan Coil Unit/Heat	5%			2026		1	\$300	

Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	95%	Now	\$10,100	2031	**	2	\$800	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof Top Units</i>								
<i>Explanation : Ongoing Control Issues, 3 Units 410a</i>								
Split Unit	5%			2031	**			
Distribution								
Ductwork/Diffusers	70%	Now	\$6,400	LIFE	**	2	\$16,200	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Ductwork/Diffusers	30%			LIFE	**	2	\$6,900	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$9,900	
Exhaust Fans								
Roof	100%			2031	**	2	\$500	

**Plumbing**

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
H/C Water Piping	Brass/Copper	100%			2046	**	1	
Water Heater	Gas Fired	100%			2024	\$10,400	2	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 120 Gallon Units</i>								
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Non-Submersible	100%			2031	**	4	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Duplex Unit</i>								
Backflow Preventer	Generic	100%			2031	**	1	\$1,100
Fixtures	Generic	100%						
<b>Fire Suppression</b>								
Sprinkler	No Component	50%						
	Generic	50%			2046	**	1-2	\$2,500
Chemical System	Generic	100%			2024	\$26,700	1-3	\$3,700

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 20-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 505 **Lot** : 60 **BIN** : 3008224

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$87,700	
Interior Architecture		\$41,100
Electrical		\$19,700
Mechanical	\$66,700	\$92,300
<b>Total</b>	<b>\$154,400</b>	<b>\$153,100</b>
Importance Code A	\$154,400	
Importance Code B		\$153,100
<b>Total</b>	<b>\$154,400</b>	<b>\$153,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$19,200		\$4,800	
Interior Architecture	\$54,600		\$500	\$600
Electrical	\$6,700	\$700	\$7,100	\$700
Mechanical	\$40,600	\$800	\$900	\$1,000
Site Enclosure	\$1,300			
<b>Total</b>	<b>\$122,400</b>	<b>\$1,500</b>	<b>\$13,400</b>	<b>\$2,300</b>
Importance Code A	\$19,200	\$400	\$5,300	\$400
Importance Code B	\$87,800	\$1,100	\$8,100	\$1,800
Importance Code C	\$15,400			
<b>Total</b>	<b>\$122,400</b>	<b>\$1,500</b>	<b>\$13,400</b>	<b>\$2,300</b>



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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$87,700	LIFE	**	5	\$14,200	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout All Facades</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Masonry Control Joints</i>								
Masonry: Limestone	20%	0-2	\$8,500	LIFE	**	5	\$2,800	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Richards Street Elevation</i>								
Wood Overhead Doors	5%			2032	**	5	\$4,700	
Windows								
Aluminum	90%	4+	\$900	2035	**	5	\$200	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Insect Screens Located Throughout</i>								
Glass Block	10%	4+		LIFE	**	5		
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 50%</i>								
<i>Location : Stair/ Hose Tower</i>								
Parapets								
Masonry: Brick	65%			LIFE	**	5	\$800	
Masonry: Limestone	10%			LIFE	**	5	\$200	
Metal Panel	15%			2037	**	5	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Metal Coping Over Cast Stone Coping</i>								
Wood Rail	10%	Now	\$1,800	2032	**	5	\$900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Side Yard Elevation</i>								
<i>Loose/Miss Fasteners, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : 1st Floor Roof</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor Roof</i>								
Roof								
Modified Bitumen	90%	0-2	\$7,900	2032	**			
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Several Locations On The Gable Roof</i>								
Traffic Topping	10%			2032	**	10	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outdoor Patio Roof At Rear Over 1st Floor</i>								
<i>Explanation : Wood Deck Construction</i>								

Interior

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	50%	0-2	\$14,400	LIFE	**	5	\$14,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Floor And Cellar Stairs</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Cellar</i>								
Ceramic Tile	5%	0-2	\$1,300	2030	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Bathrooms</i>								
Quarry Tile	5%	0-2	\$2,000	2032	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Sheet Vinyl/Rubber Vinyl Tile	5%			2027		5	\$1,000	
	35%	0-2	\$20,600	2027		3	\$1,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : At Vinyl Wall Base Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Cast in Place Concrete	15%	0-2	\$9,500	LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout Cellar</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Metal Doors And Jambs Are Rusted</i>								
Ceramic Tile	5%			2030	**	5	\$500	
Gypsum Board	3%			LIFE	**	5	\$200	
Masonry: Brick	10%	Now	\$3,900	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	30%	Now	\$500	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Stairwell At Cellar Level</i>								
SGFT/Glazed Masonry	35%			LIFE	**			
Wood	2%			LIFE	**	5	\$800	

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%	Now	\$2,200	2032	**	5	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 1st Floor Gymnasium And Lounge</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Gymnasium 1st Floor</i>								
Exposed Concrete	50%			LIFE	**	5	\$1,100	
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Area</i>								
Plaster	40%			LIFE	**	5	\$3,400	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	70%			2037	**			
Wood	30%	2-4	\$1,300	2028	\$4,500			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Rear Patio</i>								
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Rear Patio</i>								
<b>Free Standing Walls</b>								
Cast in Place Concrete	100%			2047	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2032	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2037	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Room</i>								
<i>Explanation : 200 Amp</i>								
<b>Raceway</b>								
Conduit	100%			2037	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	50%			2026	\$19,700	5	\$100	
Molded Case Bkrs	25%			2035	**	5	\$100	
Molded Case Bkrs	25%			2043	**	5	\$100	
<b>Wiring</b>								
Thermoplastic	100%			2037	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2025	\$14,700	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Motor Controller For 1 Overhead Door</i>								

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 3 Ground Devices</i>								
<b>Stand-by Power</b>								
Transfer Switches Automatic	100%			2032	**	1	\$2,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Rating Not Visible</i>								
Generators Diesel	100%			2030	**	1	\$3,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior - Side Yard</i>								
<i>Explanation : 80 Kva</i>								
Batteries Lead/Acid	100%			2020	\$1,500	5	\$300	
Fuel Storage Day Tank	100%			2035	**	5	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior - Side Yard</i>								
<i>Explanation : Size Not Visible</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	10%	0-2	\$2,500	2037	**			
<i>Damaged Fixtures, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : 1st Floor</i>								
<i>Inadequate Lighting Level, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Basement And 1st Floor</i>								
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And 1st Floor</i>								
Fluorescent	85%			2027	\$21,300	10	\$7,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2022	\$3,000	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lounge Area Of 1st Floor</i>								
<i>Explanation : Incandescent Lamps Observed</i>								
Exterior Lighting HID	10%			2022	\$3,500	10		
Incandescent	90%			2027	\$26,600	2		
<b>Alarm</b>								

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

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

## Alarm

## Fire/Smoke Detection

No Component

95%

Generic, Analog

5% Now

\$1,000

2037

\* \*

1-3

\$200

*Devices Missing, Extent : Moderate, Area Affected : 100%**Location : 2nd Floor**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : 2nd Floor*

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

## Heating

## Energy Source

Natural Gas

100%

2037

\* \*

1

*Corroded, Extent : Light, Area Affected : 100%**Location : Cellar*

## Conversion Equipment

Hot Water Boiler

100%

0-2

\$66,700

2047

\* \*

1

\$4,000

*Corroded, Extent : Moderate, Area Affected : 100%**Location : Boiler Shell In Cellar**Other Observation, Extent : Moderate, Area Affected : 100%**Location : Cellar**Explanation : Heavy Water Intrusion.*

## Distribution

Hot Wtr Piping/Pump

95%

2043

\* \*

4

\$400

Hot Wtr Piping/Pump

5% 0-2

\$700

2052

\* \*

4

*Corroded, Extent : Moderate, Area Affected : 20%**Location : Basement*

## Terminal Devices

Convactor/Radiator

100%

4+

\$13,900

2047

\* \*

1

\$2,600

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Throughout**Explanation : There Are No Current Leaks, But Life Span Is Limited.*

## Air Conditioning

## Energy Source

Electricity

100%

2049

\* \*

1

## Conversion Equipment

Split Unit

50%

2027

\$92,300

Window/Wall Unit

50%

2020

\$9,000

1

## 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**  
**ENGINE CO. 202/LADDER CO. 101**  
**Asset # : 13099**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
	Exhaust Fans							
	Roof	10%			2027	\$1,400	2	
	Wall Unit	50%			2032	**	2	\$100
	No Component	40%						
<b>Plumbing</b>								
	H/C Water Piping							
	Galvanized Steel	92%			2040	**	1	
	Galvanized Steel	8%	0-2	\$3,000	2047	**	1	
				<i>Corroded, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
	Water Heater							
	Gas Fired	100%			2025	\$5,300	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Two 74 Gallon</i>				
	Sanitary Piping							
	Cast Iron	80%			LIFE	**	1	
	Cast Iron	20%	2-4	\$12,700	LIFE	**	1	
				<i>Corroded, Extent : Moderate, Area Affected : 20%</i>				
				<i>Location : Basement</i>				
	Storm Drain Piping							
	Cast Iron	5%	0-2	\$900	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>				
				<i>Location : Roof Drain</i>				
				<i>Corroded, Extent : Moderate, Area Affected : 10%</i>				
				<i>Location : Basement</i>				
	Cast Iron	95%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2020	\$300	4	\$300
				<i>Other Observation, Extent : Light, Area Affected : 10%</i>				
				<i>Location : Cellar</i>				
				<i>Explanation : (2) Heavy Usage From Water Intrusion And Undersized</i>				
	Fixtures							
	Generic	100%						
				<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Entire House</i>				
	Fire Suppression							
	Chemical System							
	Wet	10%			2025	\$2,700	1-3	\$400
	No Component	90%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 22-Apr-2016 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 216 **Lot** : 22 **BIN** : 3001600

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$95,900
Mechanical		\$41,300
<b>Total</b>		<b>\$137,200</b>
Importance Code A		\$137,200
<b>Total</b>		<b>\$137,200</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$43,900		\$2,600	\$900
Interior Architecture	\$3,700		\$200	\$300
Electrical	\$1,800		\$200	\$100
Mechanical	\$7,600	\$800	\$37,200	\$1,000
<b>Total</b>	<b>\$57,000</b>	<b>\$900</b>	<b>\$40,200</b>	<b>\$2,400</b>
Importance Code A	\$44,500	\$600	\$3,200	\$1,500
Importance Code B	\$9,600	\$300	\$37,000	\$800
Importance Code C	\$2,900			
<b>Total</b>	<b>\$57,000</b>	<b>\$900</b>	<b>\$40,200</b>	<b>\$2,400</b>



*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. 205/LADDER CO. 118**

**Asset # : 13101**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	4+	\$11,200	LIFE	**	5	\$16,600	
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Over Side Entrance Door</i>								
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : At Grade By Stair To Basement</i>								
Masonry: Granite	2%	0-2	\$2,700	LIFE	**	5	\$300	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	13%	Now	\$16,400	LIFE	**	5	\$2,000	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cornice</i>								
Wood Overhead Doors	5%			2032	**	5	\$5,200	
Windows								
Aluminum	100%			2043	**	5	\$1,900	
Parapets								
Masonry: Brick	80%	0-2	\$2,700	LIFE	**	5	\$2,100	
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
Masonry: Limestone	8%	0-2	\$1,200	LIFE	**	5	\$300	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	12%			LIFE	**	5	\$2,000	
Roof								
Asphalt Shingle	25%			2036	**	10	\$400	
Built-Up (BUR)	75%	Now	\$9,600	2027	\$95,900			
<i>Alligatoring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Main Roof By Chimney</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Over Interior Stairwell</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Main Roof And Lower Roof At Side Entrance</i>								
<i>Explanation : Flashings Popped Out</i>								
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$12,000	
Ceramic Tile	10%			2030	**	5	\$900	
Vinyl Tile	30%			2032	**	3	\$1,400	

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

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

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

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	15%			LIFE	**			
Ceramic Tile	5%			2030	**	5	\$600	
Gypsum Board	10%			LIFE	**	5	\$700	
<i>Repairs in Progress, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement And Stairwell</i>								
Masonry: Brick	25%	Now	\$2,600	LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stairwell At Basement Level</i>								
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stairwell At Basement Level</i>								
Plaster	20%			LIFE	**	5	\$700	
SGFT/Glazed Masonry	25%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%			2032	**	5	\$500	
Exposed Struc: Steel	35%			LIFE	**			
Plaster	60%			LIFE	**	5	\$3,400	
<i>Repairs in Progress, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stairwell</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2037	**			
<b>Free Standing Walls</b>								
Cast in Place Concrete	100%			2047	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2032	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2032	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2032	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2047	**	5		
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	90%			2047	**	5	\$100	
Not Accessible	10%							
<b>Raceway</b>								
Conduit	100%			2037	**	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. 205/LADDER CO. 118**  
**Asset # : 13101**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Panelboards</b>								
Fused Disc Sw	10%			2043	**	5		
Molded Case Bkrs	70%			2043	**	5	\$100	
Molded Case Bkrs	20%			2035	**	5		
<b>Wiring</b>								
Thermoplastic	100%			2037	**	1		
<b>Motor Controllers</b>								
Motor Control Center	100%			2032	**	5	\$200	
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%	Now	\$1,100	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : There Is No Ground Wire Jumper For The Water Meter.</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	85%			2027	\$15,700	10	\$4,800	
Incandescent	15%			2027	\$6,600	2		
<b>Egress Lighting</b>								
Emergency, Service	50%			2027	\$1,700	1		
Exit, Service	50%			2027	\$400	1		
<b>Exterior Lighting</b>								
Fluorescent	50%			2027	\$10,900	10	\$300	
LED	50%			2032	**			
<b>Alarm</b>								
<b>Fire/Smoke Detection</b>								
No Component	95%							
Generic, Digital	5%	Now	\$700	2037	**	1-3	\$200	
<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations Around The Building</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Various Locations Around The Building</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	100%			2037	**	1		
<i>Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<b>Conversion Equipment</b>								
Steam Boiler	100%			2025	\$41,300	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Natural Gas Steam Boiler</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. 205/LADDER CO. 118**  
**Asset # : 13101**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Distribution</b>								
Central Plant Steam Piping/Pmp	100%			2047	**	4	\$300	
<b>Terminal Devices</b>								
Convactor/Radiator	98%			2032	**	1	\$1,900	
Fan Coil Unit/Heat	2%	Now	\$1,900	2037	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Womens Bathroom</i>								
<i>Malfunctioning, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Offices</i>								
<b>Air Conditioning</b>								
<b>Energy Source</b>								
Electricity	100%			2035	**	1		
<b>Conversion Equipment</b>								
Split Unit	20%			2022			\$27,300	
<i>Corroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : Rooftop Condenser</i>								
Window/Wall Unit	50%			2022		1	\$6,700	
No Component	30%							
<b>Distribution</b>								
Ductwork/Diffusers	100%			LIFE	**	2	\$8,000	
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	100%	Now	\$2,900	LIFE	**	2-5	\$3,400	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Kitchen Hood</i>								
<i>Explanation : Incomplete Installation</i>								
<b>Exhaust Fans</b>								
Interior	20%			2027		2	\$4,500	
Roof	10%	Now	\$1,100	2037	**	2		
<i>Broken, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Bathroom Roof Fan</i>								
Roof	10%			2027		2	\$1,100	
Wall Unit	20%			2027		2	\$500	
No Component	40%							
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
Galvanized Steel	100%			2032	**	1		
<b>Water Heater</b>								
Gas Fired	100%			2025		2	\$3,900	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 74 Gallon</i>								
<b>Sanitary Piping</b>								
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.

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Plumbing								
Storm Drain Piping Cast Iron	100%	Now	\$700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Outside Alley</i>								
Sump Pump(s) Submersible	100%	Now		2020	\$200	4	\$100	
<i>Not in Service, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures								
Generic	100%							

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 206  
**Address** : 1201 GRAND STREET  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.206 / 13102 **Yr Built/Renovated** : 1976 /  
**Area Sq Ft** : 10,180 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 14-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 2929 **Lot** : 53 **BIN** : 3070506

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$160,200	
Electrical		\$106,500
<b>Total</b>	<b>\$160,200</b>	<b>\$106,500</b>
Importance Code A	\$160,200	
Importance Code B		\$106,500
<b>Total</b>	<b>\$160,200</b>	<b>\$106,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$42,100			
Interior Architecture	\$48,500	\$2,700	\$3,200	\$800
Electrical	\$1,000	\$700	\$2,300	\$800
Mechanical	\$5,900	\$1,100	\$3,400	\$900
Site Pavements	\$1,300			
<b>Total</b>	<b>\$98,800</b>	<b>\$4,500</b>	<b>\$8,900</b>	<b>\$2,500</b>
Importance Code A	\$42,600	\$500	\$500	\$500
Importance Code B	\$51,600	\$4,000	\$8,400	\$1,600
Importance Code C	\$4,500			\$400
<b>Total</b>	<b>\$98,800</b>	<b>\$4,500</b>	<b>\$8,900</b>	<b>\$2,500</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**  
**ENGINE CO. 206**  
**Asset # : 13102**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%	Now	\$118,800	LIFE	**	5	\$19,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Overhead Door Opening</i>								
Wood Overhead Doors	10%	Now	\$13,800	2042	**	5	\$5,400	
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
Windows								
Aluminum	100%	Now	\$22,900	2054	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Single Pane Windows</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$2,300	
Concrete Masonry Unit	45%			LIFE	**	5-10	\$2,000	
Masonry: Brick	45%			LIFE	**	5-10	\$2,500	
Roof								
Modified Bitumen	100%	2-4	\$41,400	2037	**			
<i>Blisters, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Soffits								
Cast in Place Concrete	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$3,200	LIFE	**	5	\$13,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	35%			2042	**	5	\$5,300	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%			2042	**	5	\$1,100	
Vinyl Tile	20%	2-4	\$26,400	2039	**	3	\$1,100	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	10%			2038	**	5	\$800	
Concrete Masonry Unit	35%			LIFE	**	5	\$2,200	
SGFT/Glazed Masonry	55%			LIFE	**	10	\$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. 206**  
**Asset # : 13102**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	55%	Now	\$13,800	2046	**	5	\$4,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Boiler Room And Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Apparatus Room And Throughout</i>								
AcousTileSusp.Lay-In	35%			2046	**	5	\$5,300	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Plaster	10%			LIFE	**	5-10	\$2,600	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
On-Site Walkways								
Cast in Place Concrete	100%			2042	**			
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$1,300	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Front Apron</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2049	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : 400 Ampere Main Switch</i>								
Raceway								
Conduit	100%			2029	\$32,000	1		
Panelboards								
Molded Case Bkrs	100%			2028	\$39,400	5	\$300	
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Firehouse</i>								
Wiring								
Thermoplastic	100%			2029	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5	\$100	

## Ground

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 206**  
**Asset # : 13102**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$300	
<b>Stand-by Power</b>								
Transfer Switches Automatic	100%			2027	\$4,900	1	\$3,100	
Generators Diesel	100%			2025	\$67,200	1	\$3,900	
Batteries Lead/Acid	100%			2022	\$1,500	5	\$400	
Fuel Storage Main Tank	100%			2044	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : 275 Gallons</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	90%			2029	\$25,400	10	\$8,400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
LED	10%			2037	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : LED Lighting</i>								
<b>Egress Lighting</b>								
Emergency, Battery	80%			2034	**	10	\$2,000	
Exit, Battery	20%			2034	**	10	\$100	
<b>Exterior Lighting</b>								
Fluorescent	20%			2034	**	10	\$200	
HID	80%			2029	\$31,400	10		
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source Natural Gas	100%			2055	**	1		
Conversion Equipment Hot Water Boiler	100%			2042	**	1	\$5,000	
Distribution Hot Wtr Piping/Pump	100%			2045	**	4	\$800	
Terminal Devices Convactor/Radiator	95%			2042	**	1	\$3,100	
Unit Heater - Steam	5%			2034	**	4		
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2051	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 206**  
**Asset # : 13102**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
Conversion Equipment								
	Exterior Pkg Unit - Cooling	50%			2034	**	2	\$300
	Window/Wall Unit	50%			2027	\$10,100	1	
Distribution								
	Ductwork/Diffusers	50%			LIFE	**	2	\$8,300
	No Component	50%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$9,000
Exhaust Fans								
	Roof	100%			2034	**	2	\$300
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%			2049	**	1	
Water Heater								
	Gas Fired	100%			2027	\$5,900	2	\$200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Side Utility Room</i>				
				<i>Explanation : Two 75 Gallon Units</i>				
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
<b>Fire Suppression</b>								
Sprinkler								
	No Component	95%						
	Generic	5%			2049	**	1-2	\$200
Chemical System								
	Wet	2%			2027	\$500	1-3	\$100
	No Component	98%						
				<i>Other Observation, Extent : Light, Area Affected : 0%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : Ansul System Serves Cooking Area</i>				

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 22-Mar-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 1900 **Lot** : 50 **BIN** : 3054771

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Electrical		\$9,800
Mechanical		\$35,600
<b>Total</b>		<b>\$45,500</b>
Importance Code B		\$45,500
<b>Total</b>		<b>\$45,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$40,700			
Interior Architecture	\$42,100	\$1,100	\$600	\$600
Electrical	\$3,100	\$100	\$100	\$100
Mechanical	\$29,700	\$700	\$13,700	\$800
<b>Total</b>	<b>\$115,700</b>	<b>\$2,000</b>	<b>\$14,400</b>	<b>\$1,500</b>
Importance Code A	\$47,600	\$400	\$500	\$400
Importance Code B	\$57,200	\$700	\$14,000	\$1,100
Importance Code C	\$11,000	\$800		
<b>Total</b>	<b>\$115,700</b>	<b>\$2,000</b>	<b>\$14,400</b>	<b>\$1,500</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 209/LADDER CO. 102**  
**Asset # : 13104**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	10%	Now	\$25,300	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Rear At Air Conditioner Opening</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Rear At Air Conditioner Opening</i>								
<i>Explanation : Opening Cut In Brick Wall For Air Conditioner. Brick Missing And No Lintel Installed.</i>								
Masonry: Brick	40%	4+	\$2,000	LIFE	**	5	\$3,300	
<i>Efflorescence, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Front Facade</i>								
Metal Sect. OHD	15%			2040	**	5	\$3,800	
Pre-Cast Concrete	35%			LIFE	**	5	\$9,300	
Windows								
Aluminum	100%	0-2	\$7,900	2035	**	5	\$500	
<i>Hardware Missing, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	100%	0-2	\$3,600	LIFE	**	5	\$3,100	
<i>Efflorescence, Extent : Light, Area Affected : 25%</i>								
<i>Location : Back Faces Of Parapets</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Faces Of The Building Parapet</i>								
<i>Explanation : Parapet At Facade Is Precast Concrete</i>								
Roof								
Modified Bitumen	100%			2035	**	10	\$12,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	50%	4+	\$1,300	LIFE	**	5	\$13,400	
<i>Loose/Delam Surface, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement Storage Room</i>								
Ceramic Tile	5%			2036	**	5	\$600	
Quarry Tile	5%			2040	**	5	\$900	
Vinyl Tile	38%	2-4	\$24,200	2037	**	3	\$1,700	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Wood	2%			2055	**	5	\$500	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 209/LADDER CO. 102**  
**Asset # : 13104**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	10%			2036	**	5	\$1,700	
Concrete Masonry Unit	15%			LIFE	**	5	\$1,000	
Masonry: Brick	10%			LIFE	**			
Plaster	35%	4+	\$1,000	LIFE	**	5	\$1,800	
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Floor</i>								
SGFT/Glazed Masonry	30%	Now	\$10,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Bunkroom, Throughout 1st Floor</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2032	**	5	\$1,200	
Exposed Concrete	60%			LIFE	**	5	\$1,100	
Plaster	30%	Now	\$4,900	LIFE	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2037	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Room</i>								
<i>Explanation : 400 Amperes Main Disconnect Switch</i>								
<b>Raceway</b>								
Conduit	50%			2037	**	1		
Conduit	50%			2047	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	75%			2035	**	5	\$200	
Molded Case Bkrs	25%			2026	\$9,800	5	\$100	
<b>Wiring</b>								
Braided Cloth	50%			2026	\$14,200	1		
Thermoplastic	50%			2037	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2025	\$14,700	5	\$100	
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$100	
<b>Lighting</b>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 209/LADDER CO. 102**  
**Asset # : 13104**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	90%	4+	\$1,100	2027	\$21,800			
<i>Damaged Fixtures, Extent : Light, Area Affected : 50%</i>								
<i>Location : 2nd Floor Locker Room</i>								
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	10%	Now	\$1,700	2037	**	2		
<i>Inadequate Lighting Level, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Sitting Room</i>								
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Sitting Room</i>								
<hr/>								
Egress Lighting Emergency, Service	5%			2032	**	1		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : In Chief Bathroom, Laundry Room And Women Locker Room On The 2nd Floor</i>								
<i>Explanation : Emergency Lighting</i>								
No Component	95%							
<hr/>								
Exterior Lighting HID	50%			2027	\$16,800	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade And Side Wall</i>								
<i>Explanation : Wall Mounted, Controlled Via Time Clock</i>								
HID	50%			2032	**	10		
<hr/>								
<b>Alarm</b>								
Security System No Component Generic	90%							
	10%			2032	**	1	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Above Front Door</i>								
<i>Explanation : One Camera</i>								
<hr/>								
Fire/Smoke Detection No Component Generic, Analog	90%							
	10%	Now	\$200	2032	**	1-3	\$500	
<i>Devices Missing, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2047	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 209/LADDER CO. 102**

**Asset # : 13104**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Heating</b>								
Conversion Equipment								
Hot Water Boiler	90%			2040	**	1	\$3,900	
Hot Water Boiler	10%	Now	\$6,400	2047	**	1	\$400	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement, Boiler Controls Jumped Out To Enable Boiler Operation</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 3 Natural Gas Fueled Sectional Hot Water Boilers</i>								
<b>Distribution</b>								
Hot Wtr Piping/Pump	100%			2026	\$13,000	4	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Aged</i>								
<b>Terminal Devices</b>								
Convactor/Radiator	75%			2032	**	1	\$2,100	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Convactor/Radiator	5%	0-2	\$400	2047	**	1	\$100	
<i>Damaged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Various Locations Throughout, Damaged Radiator Covers</i>								
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Facility</i>								
Unit Heater - Steam	5%			2035	**	4		
<i>Damaged, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Gymnasium, Defective Controls 1 Of 3 Unit Heaters</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Weight Room</i>								
Unit Heater - Steam	15%			2027	\$4,500	4	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor And Gymnasium</i>								
<i>Explanation : Units Beyond Useful Life</i>								
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Split Unit	20%			2027	\$35,600			
Window/Wall Unit	30%			2022	\$5,200	1		
Window/Wall Unit	10%	Now	\$1,700	2027	\$1,700	1		
<i>Broken, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
No Component	40%							
<b>Distribution</b>								
Ductwork/Diffusers	100%	2-4	\$13,400	LIFE	**	2	\$11,400	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Bunk Room</i>								
<i>Explanation : Needs Cleaning</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. 209/LADDER CO. 102**  
**Asset # : 13104**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Dehumidifier								
No Component	90%							
Generic	10%			2028				
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,900	
<i>Needs Cleaning, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Bunk Room, Kitchen Exhaust Systems And Toilet Exhaust</i>								
Exhaust Fans								
Interior	50%	Now	\$4,500	2027	\$14,800	2	\$100	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rig Garage, Stairwell</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Toilet Exhaust Not Working</i>								
Roof	25%			2032	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Unit Serves Newly Renovated Restrooms</i>								
Roof	10%			2027	\$1,400	2		
<i>On Extended Life, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Sleeping Quarters</i>								
Roof	15%	Now	\$2,100	2037	**	2		
<i>Malfunctioning, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Kitchen Hood</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Gas Fired	100%			2025	\$5,100	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	50%			LIFE	**	1		
Cast Iron	50%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2022	\$1,300	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 209/LADDER CO. 102**  
**Asset # : 13104**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Chemical System							
	Wet	10%	4+	\$500	2022	\$2,700	1-3	\$400
		<i>Heads Blocked, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Kitchen Hood</i>						
	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 30-Mar-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 920 **Lot** : 42 **BIN** : 1020385

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$50,700	
Electrical		\$85,300
Mechanical		\$60,800
<b>Total</b>	<b>\$50,700</b>	<b>\$146,100</b>
Importance Code A	\$50,700	
Importance Code B		\$146,100
<b>Total</b>	<b>\$50,700</b>	<b>\$146,100</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$18,800		\$4,800	
Interior Architecture	\$15,200		\$200	\$400
Electrical			\$15,000	
Mechanical	\$3,900	\$500	\$6,400	\$600
<b>Total</b>	<b>\$37,800</b>	<b>\$600</b>	<b>\$26,500</b>	<b>\$1,000</b>
Importance Code A	\$19,200	\$400	\$5,200	\$400
Importance Code B	\$17,200	\$200	\$21,300	\$600
Importance Code C	\$1,500			
<b>Total</b>	<b>\$37,800</b>	<b>\$600</b>	<b>\$26,500</b>	<b>\$1,000</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**  
**ENGINE CO. 21**  
**Asset # : 13015**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%	2-4	\$50,700	LIFE	**	5	\$16,500	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Side Facades, Bulkhead</i>								
<i>Misaligned/Bulging, Extent : Light, Area Affected : 5%</i>								
<i>Location : Top Left At Front Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bulkhead, Side Facades</i>								
Masonry: Granite	5%			LIFE	**	5	\$700	
Wood Overhead Doors	10%			2032	**	5	\$9,700	
Windows								
Aluminum	100%	Now	\$1,500	2035	**	5	\$800	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bathrooms, Stair Bulkhead</i>								
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$2,000	
Masonry: Limestone	10%			LIFE	**	5	\$300	
Roof								
Modified Bitumen	98%	Now	\$17,300	2032	**			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Debris Present, Extent : Light, Area Affected : 15%</i>								
<i>Location : Upper And Lower Roofs</i>								
Skylight, Metal/Glass	2%			2037	**	10	\$400	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$6,000	
Ceramic Tile	5%			2030	**	5	\$300	
Vinyl Tile	50%			2035	**	3	\$1,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2030	**	5	\$400	
Marble Panels	5%	Now	\$600	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 2%</i>								
<i>Location : Shower Stalls</i>								
Plaster	50%	Now	\$600	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout And Stairwell To Basement</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout And Hose Tower</i>								
SGFT/Glazed Masonry	40%			LIFE	**			

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 21**  
**Asset # : 13015**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%			2032	**	5	\$300	
Exposed Concrete	20%	Now	\$11,900	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 6%</i>								
<i>Location : Hose Tower And Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Apparatus Floor/ Basement Ceiling</i>								
<i>Explanation : Structurally Insufficient</i>								
Plaster	75%	Now	\$1,200	LIFE	**	5	\$2,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Stair Bulkhead/ Hose Tower</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2027	\$4,900	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	\$49,900	5	\$100	
Raceway								
Conduit	90%			2027	\$28,800	1		
Conduit	10%			2047	**	1		
Panelboards								
Fused Disc Sw	10%			2026	\$3,900	5		
Molded Case Bkrs	90%			2026	\$35,400	5	\$100	
Wiring								
Thermoplastic	90%			2027	\$25,500	1		
Thermoplastic	10%			2047	**	1		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Incandescent	2%			2022	\$500	2		
LED	98%			2035	**			
Exterior Lighting								
HID	100%			2022	\$14,500	10		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 21**  
**Asset # : 13015**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2027	\$60,800	4	\$200	
Terminal Devices								
Convactor/Radiator	100%			2025	\$19,200	1	\$1,200	
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	50%			2022	\$3,700	1		
No Component	50%							
Ventilation								
Exhaust Fans								
Wall Unit	100%			2027	\$1,300	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Gas Fired	100%			2022	\$2,200	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Hard To Access For Maintenance</i>								
Sanitary Piping								
Cast Iron	80%			LIFE	**	1		
Cast Iron	20%	Now	\$2,600	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 1st Floor Ceiling</i>								
Storm Drain Piping								
Cast Iron	100%	Now	\$700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement When It Rains</i>								
Sump Pump(s)								
Not Accessible	100%							
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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 210  
**Address** : 160 CARLTON AVENUE  
**Borough** : BROOKLYN  
**Program / Asset #** : FIRSECO.210 / 13105  
**Area Sq Ft** : 6,780  
**Date of Survey** : 23-Mar-2016  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 2072      **Lot** : 33      **BIN** : 3058296  
**Agency's Number** : N/A  
**Yr Built/Renovated** : 1913 / 2003  
**Project Type** : FIRE DEPARTMENT  
**Landmark Status** : NONE

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Mechanical		\$48,700
<b>Total</b>		<b>\$48,700</b>
Importance Code B		\$48,700
<b>Total</b>		<b>\$48,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$27,000			\$400
Interior Architecture	\$28,700	\$400		
Electrical	\$2,900			
Mechanical	\$3,200	\$700	\$2,500	\$700
<b>Total</b>	<b>\$61,800</b>	<b>\$1,100</b>	<b>\$2,500</b>	<b>\$1,100</b>
Importance Code A	\$27,400	\$300	\$400	\$700
Importance Code B	\$32,600	\$400	\$2,200	\$400
Importance Code C	\$1,900	\$400		
<b>Total</b>	<b>\$61,800</b>	<b>\$1,100</b>	<b>\$2,500</b>	<b>\$1,100</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**  
**ENGINE CO. 210**  
**Asset # : 13105**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$21,700	
Masonry: Limestone	10%	0-2	\$17,900	LIFE	**	5	\$2,200	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	10%			2040	**	5	\$9,000	
Granite Panels	5%			LIFE	**	5	\$1,100	
Windows								
Aluminum	100%			2043	**	5	\$800	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$2,000	
Masonry: Limestone	10%			LIFE	**	5	\$300	
Roof								
Modified Bitumen	95%	0-2	\$1,900	2032	**			
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%	Now	\$2,700	2047	**			
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	30%	Now	\$9,900	LIFE	**	5	\$6,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	10%	0-2	\$400	2036	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Bathroom Throughout</i>								
Wood	60%	4+	\$10,400	2055	**	5	\$5,800	
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast Stone/Terra Cotta	7%			LIFE	**			
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Kitchen</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Cementitious Panels</i>								
Ceramic Tile	5%			2036	**	5	\$800	
Concrete Masonry Unit	25%			LIFE	**	5	\$1,600	
Masonry: Brick	30%			LIFE	**			
Metal Panel	3%			LIFE	**			
Plaster	30%	Now	\$1,900	LIFE	**	5	\$1,400	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								

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Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 210**  
**Asset # : 13105**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	60%	Now	\$6,100	LIFE	**	5	\$7,400	
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Panel	15%			LIFE	**	5	\$1,800	
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2032	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2037	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Amperes Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Fused Disc Sw	10%			2035	**	5		
Molded Case Bkrs	90%			2035	**	5	\$200	
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	15%	Now	\$2,800	2037	**			
<i>Damaged Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Fixtures are not operational Ballasts Need Replacement</i>								
Fluorescent	85%			2027		10	\$5,300	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting								
Emergency, Service	70%			2027		1	\$2,400	
Exit, Service	30%			2027		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. 210**  
**Asset # : 13105**

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

## Lighting

Exterior Lighting

HID

100%

2027

\$26,100

10

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

## Heating

Energy Source

Natural Gas

100%

2047

\* \*

1

Conversion Equipment

Furnace

50%

2032

\* \*

1

\$1,700

*Other Observation, Extent : Light, Area Affected : 50%**Location : Roof**Explanation : 5 Roof Top Package Units*

Hot Water Boiler

50%

2040

\* \*

1

\$1,700

*Other Observation, Extent : Light, Area Affected : 50%**Location : Basement**Explanation : 1 Unit*

Distribution

Hot Wtr Piping/Pump

50%

Now

\$500

2043

\* \*

4

\$200

*Leak Evident, Extent : Moderate, Area Affected : 5%**Location : 2nd Floor Gymnasium, Leak Damaging The Floor*

No Component

50%

Terminal Devices

Convactor/Radiator

40%

2040

\* \*

1

\$900

Unit Heater - Steam

10%

2032

\* \*

4

\$100

No Component

50%

## Air Conditioning

Energy Source

Electricity

100%

2043

\* \*

1

Conversion Equipment

Ext Pkg Unit -

Heating/Cooling

60%

2027

\$48,700

2

\$300

*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : 5 Units, R-22 Refrigerant*

Window/Wall Unit

10%

2022

\$1,400

1

No Component

30%

## Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

\* \*

2-5

\$3,800

Exhaust Fans

Roof

100%

2032

\* \*

2

\$200

## Plumbing

H/C Water Piping

Brass/Copper

100%

2047

\* \*

1

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 210**  
**Asset # : 13105**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Water Heater Gas Fired	100%	Now	\$2,000	2025	\$4,000	2	\$100
<i>Leak Evident, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1 Out Of 2 Is Leaking, Basement</i>								
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Non-Submersible	100%			2032	**	4	\$200
	Fixtures Generic	100%						
Fire Suppression	Sprinkler Generic	100%			2047	**	1-2	\$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.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 03-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2,3,4,5  
**Block** : 2203 **Lot** : 16 **BIN** : 3060298

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$159,000	\$43,700
Interior Architecture	\$238,800	\$63,000
Electrical		\$192,200
Mechanical		\$101,600
<b>Total</b>	<b>\$397,800</b>	<b>\$400,400</b>
Importance Code A	\$159,000	\$43,700
Importance Code B	\$238,800	\$293,700
Importance Code C		\$63,000
<b>Total</b>	<b>\$397,800</b>	<b>\$400,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$36,100	\$17,700		
Interior Architecture	\$56,100	\$1,000		\$3,700
Electrical	\$4,100	\$2,200	\$2,200	\$2,100
Mechanical	\$16,700	\$53,300	\$9,100	\$3,800
Elevators/Escalators	\$4,900	\$4,900	\$4,900	\$4,900
<b>Total</b>	<b>\$117,900</b>	<b>\$79,200</b>	<b>\$16,200</b>	<b>\$14,600</b>
Importance Code A	\$43,600	\$20,300	\$2,600	\$2,600
Importance Code B	\$52,700	\$58,800	\$13,600	\$12,000
Importance Code C	\$21,600			
<b>Total</b>	<b>\$117,900</b>	<b>\$79,200</b>	<b>\$16,200</b>	<b>\$14,600</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**  
**ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS**  
**Asset # : 13106**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	25%	Now	\$115,300	LIFE	**	5	\$12,500	
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Elevator Penthouse</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Site Walls Located Around Perimeter Of Property, Chimney</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Site Wall Located At Rear Of Property</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Elevator Penthouse</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Elevator Penthouse</i>								
Stucco Cement	70%			2031	**	5	\$87,400	
Wood Overhead Doors	5%	Now	\$1,600	2031	**	5	\$6,200	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : All Doors</i>								
<i>Explanation : Repairs In Progress</i>								
Windows								
Aluminum	100%	Now	\$34,500	2034	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Fourth Floor Offices Along The South Side And Various Other Locations.</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$1,200	
Masonry: Brick	80%			LIFE	**	5	\$2,400	
Metal Panel	15%			2046	**	5	\$1,700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entire Parapet On Main Roof</i>								
Roof								
Modified Bitumen	100%			2031	**	10	\$16,800	

Interior

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS**  
**Asset # : 13106**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	20%			LIFE	**	5	\$18,500	
<i>Repairs in Progress, Extent : Light, Area Affected : 15%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2035	**	5	\$2,100	
Quarry Tile	3%			2031	**	5	\$1,900	
Terrazzo	2%	Now	\$8,000	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Showers</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Showers</i>								
Vinyl Tile	65%	Now	\$4,800	2021	\$238,800	3	\$10,300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
Vinyl Tile	5%	Now	\$18,400	2036	**	3	\$800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Third Floor Workout Room.</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Third Floor Workout Room.</i>								
<b>Interior Walls</b>								
Cast in Place Concrete	30%			LIFE	**			
Ceramic Tile	5%	Now	\$12,600	2029	\$63,000	5	\$1,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 60%</i>								
<i>Location : 3rd Floor Shower Area Adjacent To Gymnasium</i>								
Concrete Masonry Unit	25%			LIFE	**	5	\$4,500	
Gypsum Board	15%			LIFE	**	5	\$4,000	
Plaster	10%	Now	\$3,700	LIFE	**	5	\$1,300	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Room 211, Northeast Corner Of 4th And 5th Floor Offices</i>								
SGFT/Glazed Masonry	15%	Now	\$5,300	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : 1st Floor, Apparatus Area</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	50%			2039	**	5	\$21,200	
Exposed Concrete	30%			LIFE	**	5	\$2,000	
Plaster	20%	Now	\$2,300	LIFE	**	5	\$5,300	
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Locker Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor Locker Room</i>								

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

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. 211/LADDER CO. 119 FIRE MARSHALLS**  
**Asset # : 13106**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2046	**	5	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : 400 Ampere Main Switch</i>						
Raceway								
Conduit	100%			2036	**	1		
Panelboards								
Molded Case Bkrs	25%			2042	**	5	\$200	
Molded Case Bkrs	75%			2034	**	5	\$600	
Wiring								
Thermoplastic	100%			2036	**	1		
Motor Controllers								
Locally Mounted	100%			2031	**	5	\$200	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$400	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2039	**	1	\$8,700	
Generators								
Diesel	100%			2029	\$67,200	1	\$11,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior</i>						
		<i>Explanation : 125w Generator</i>						
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$1,000	
Fuel Storage								
Day Tank	100%			2034	**	5	\$5,200	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	60%			2026	\$47,000	10	\$15,600	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Fluorescent	30%			2026	\$23,500	10	\$7,800	
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 4th And 5th Floors</i>						
Incandescent	10%			2026	\$18,500	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Stairs, Dormitory And Closets</i>						
		<i>Explanation : Mostly Incandescent Fixtures</i>						
Egress Lighting								
Emergency, Service	20%			2026	\$2,800	1		
No Component	80%							
Exterior Lighting								
HID	50%			2026	\$54,500	10		
No Component	50%							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS**  
**Asset # : 13106**

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

## Alarm

Security System								
No Component	90%							
Generic	10%			2026	\$8,700	1	\$1,100	

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

## Heating

Energy Source								
Natural Gas	100%			2046	**	1		
Conversion Equipment								
Hot Water Boiler	16%			2039	**	1	\$2,200	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Mechanical Room</i>					
			<i>Explanation : 1 Hot Water Boiler</i>					
Steam Boiler	34%	Now	\$5,900	2039	**	1	\$8,600	1
			<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Mechanical Room</i>					
			<i>Other Observation, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Mechanical Room</i>					
			<i>Explanation : 2 Of 5 Boilers Not Operating</i>					
Steam Boiler	50%			2039	**	1	\$14,000	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Mechanical Room</i>					
			<i>Explanation : 3 Of 5 Steam Boilers Running Ok</i>					
Distribution								
Hot Wtr Piping/Pump	16%			2042	**	4	\$200	
Central Plant Steam Piping/Pmp	84%	0-2	\$7,700	2036	**	4	\$1,200	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : 2nd Floor</i>					
			<i>Explanation : Water Damage To Walls And Ceilings On 2nd Floor.</i>					
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$9,100	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	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. 211/LADDER CO. 119 FIRE MARSHALLS**

**Asset # : 13106**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	30%			2026	\$101,600	2	\$500
				<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Roof</i>				
	Split Unit	2%			2026	\$11,500		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : R 410a</i>				
	Window/Wall Unit	58%			2021	\$32,700	1	
	No Component	10%						
Distribution								
	Ductwork/Diffusers	30%			LIFE	**	2	\$11,000
	No Component	70%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$15,800
Exhaust Fans								
	Roof	70%			2026	\$31,400	2	\$600
	Wall Unit	30%			2026	\$2,900	2	\$300
Plumbing								
H/C Water Piping								
	Brass/Copper	50%			2046	**	1	
	Galvanized Steel	50%			2031	**	1	
Water Heater								
	Gas Fired	100%			2021	\$16,500	2	\$400
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Mechanical Room</i>				
				<i>Explanation : 2 75 Gallon Water Heaters</i>				
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : 2nd Floor</i>				
				<i>Explanation : Possible Leaking From Drain Piping. Could Not Verify.</i>				
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
				<i>Other Observation, Extent : Severe, Area Affected : 5%</i>				
				<i>Location : Shower</i>				
				<i>Explanation : Bases Cracked</i>				
Vertical Transport								
Elevators								
	Geared Traction	100%			LIFE	**		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 1st To 5th Floor</i>				
				<i>Explanation : 1 Unit</i>				

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

Estimates are rounded to the nearest hundred dollars.

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS**  
**Asset # : 13106**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	
Fire Suppression	Chemical System							
	Generic	100%			2024	\$26,700	1-3	\$3,700

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 18-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 1654 **Lot** : 45 **BIN** : 3045695

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$217,800	
<b>Total</b>	<b>\$217,800</b>	
Importance Code A	\$217,800	
<b>Total</b>	<b>\$217,800</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$39,500		\$5,000	\$900
Interior Architecture	\$29,100	\$500	\$400	\$400
Electrical	\$4,900	\$200	\$3,400	\$300
Mechanical	\$15,900	\$600	\$13,300	\$800
<b>Total</b>	<b>\$89,300</b>	<b>\$1,300</b>	<b>\$22,100</b>	<b>\$2,300</b>
Importance Code A	\$44,700	\$300	\$5,400	\$1,200
Importance Code B	\$35,800	\$1,000	\$16,700	\$1,100
Importance Code C	\$8,900			
<b>Total</b>	<b>\$89,300</b>	<b>\$1,300</b>	<b>\$22,100</b>	<b>\$2,300</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**  
**ENGINE CO. 214**  
**Asset # : 13108**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$98,600	LIFE	**	5	\$16,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At North Exit</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Exterior Facades</i>								
Masonry: Granite	5%	4+	\$6,000	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Adjacent To Ohd</i>								
Masonry: Limestone	5%	4+	\$2,200	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	10%			2032	**	5	\$10,000	
Windows								
Aluminum	100%			2043	**	5	\$1,700	
Parapets								
Masonry: Brick	90%	Now	\$26,000	LIFE	**	5	\$2,200	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Corners</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	Now	\$5,200	LIFE	**	5	\$300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Copings Missing At Front Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Coping</i>								
Roof								
Modified Bitumen	95%	Now	\$119,100	2037	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Showers, Engine Office</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%			2037	**	10	\$1,500	

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 214**  
**Asset # : 13108**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	55%			LIFE	**	5	\$12,300	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2036	**	5	\$1,000	
Quarry Tile	5%			2032	**	5	\$800	
Vinyl Tile	30%	2-4	\$13,300	2035	**	3	\$1,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
<b>Interior Walls</b>								
Ceramic Tile	5%			2030	**	5	\$700	
Masonry: Brick	20%			LIFE	**			
Plaster	35%	Now	\$8,500	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Hose Tower, 2nd Floor Corridor</i>								
SGFT/Glazed Masonry	35%			LIFE	**			
Wood	5%			LIFE	**	5	\$3,000	
<b>Ceilings</b>								
Exposed Concrete	15%			LIFE	**	5	\$200	
Exposed Struc: Steel	35%			LIFE	**			
Plaster	50%	Now	\$6,900	LIFE	**	5	\$3,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Hose Tower/ Stairwell</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2037	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2032	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2044	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Recent Replace Evident</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Switch Rated At 400 Amperes</i>								

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Raceway								
Conduit	50%			2047	**	1		
Conduit	50%			2037	**	1		
Panelboards								
Molded Case Bkrs	50%			2043	**	5	\$100	
Molded Case Bkrs	50%			2035	**	5	\$100	
Wiring								
Thermoplastic	50%			2037	**	1		
Thermoplastic	50%			2047	**	1		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Ground Wire Jumping Water Meter.</i>								
<b>Lighting</b>								
Interior Lighting								
Incandescent	5%			2022	\$2,300	2		
LED	95%			2032	**			
Egress Lighting								
Emergency, Battery	50%			2032	**	10	\$900	
Exit, Service	50%			2027	\$400	1		
Exterior Lighting								
HID	75%			2027	\$20,400	10		
HID	25%	Now	\$4,100	2037	**			
<i>Damaged Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Side Of Building On Exterior Wall</i>								
<b>Alarm</b>								
Fire/Smoke Detection								
No Component	50%							
Generic, Digital	50%	Now	\$700	2037	**	1-3	\$2,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
<i>Explanation : Battery Only Smoke Detectors - Batteries Removed Or Smoke Detector Damaged.</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2037	**	1		

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Hot Water Boiler	100%	Now	\$5,200	2032	**	1	\$3,100	
<i>Corroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Cellar</i>								
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : 1 Unit</i>								
Distribution Hot Wtr Piping/Pump	100%			2035	**	4	\$300	
Terminal Devices Convactor/Radiator	90%			2025	\$32,400	1	\$2,100	
Unit Heater - Steam	10%			2027	\$2,400	4	\$100	
Air Conditioning								
Energy Source Electricity	100%			2035	**	1		
Conversion Equipment Window/Wall Unit	60%			2022	\$8,400	1		
No Component	40%							
Ventilation								
Distribution Ductwork/Diffusers	25%			LIFE	**	2-5	\$1,000	
No Component	75%							
Exhaust Fans Roof	25%	0-2	\$1,400	2027	\$2,800	2		
<i>Noisy/Vibrating, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Wall Unit	20%			2027	\$500	2		
No Component	55%							
Plumbing								
H/C Water Piping Brass/Copper	98%			2037	**	1		
Brass/Copper	2%	Now	\$600	2053	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Sink</i>								
<i>Explanation : Leak At Sink</i>								
Water Heater Gas Fired	100%			2022	\$4,100	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : 2 Units 74 Gallons</i>								
Sanitary Piping Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	0-2	\$4,900	LIFE	**	1		
<i>Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Storm Drain Piping							
	Cast Iron	75%			LIFE	**	1	
	Cast Iron	25%	0-2	\$3,500	LIFE	**	1	
		<i>Corroded, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
<hr/>								
	Fixtures							
	Generic	100%						
<hr/>								
<b>Fire Suppression</b>								
	Chemical System							
	Wet	10%			2025	\$2,700	1-3	\$400
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen Hood</i>						
		<i>Explanation : Fire Suppression</i>						
<hr/>								
	No Component	90%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY)  
**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** : 19-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 2465 **Lot** : 100 **BIN** : 3063633

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$92,000	
Interior Architecture		\$86,800
<b>Total</b>	<b>\$92,000</b>	<b>\$86,800</b>
Importance Code A	\$92,000	
Importance Code B		\$86,800
<b>Total</b>	<b>\$92,000</b>	<b>\$86,800</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$9,500		\$13,800	
Interior Architecture	\$28,100	\$3,200	\$700	
Electrical	\$600		\$3,000	
Mechanical	\$29,000	\$400	\$20,600	\$700
<b>Total</b>	<b>\$67,300</b>	<b>\$3,600</b>	<b>\$38,100</b>	<b>\$700</b>
Importance Code A	\$9,500		\$13,800	
Importance Code B	\$57,700	\$1,700	\$24,300	\$700
Importance Code C		\$1,900		
<b>Total</b>	<b>\$67,300</b>	<b>\$3,600</b>	<b>\$38,100</b>	<b>\$700</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY)**

**Asset # : 13109**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	89%	0-2	\$82,700	LIFE	**	5	\$26,900	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Relieving Angles At Front, Side And Back Facades</i>								
Masonry: Brick	1%	Now	\$9,300	LIFE	**	5	\$300	1
<i>Vertical Cracks, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Stairwell At Side Of Building</i>								
Metal Sect. OHD	10%			2032	**	5	\$9,400	
Windows								
Aluminum	100%			2035	**	5	\$2,400	
Parapets								
Concrete Masonry Unit	3%			LIFE	**	5	\$100	
Masonry: Brick	67%			LIFE	**	5	\$2,900	
Metal Cornice	15%			2042	**	10	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Parapet Coping</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	15%			2032	**	5-10	\$11,500	
Roof								
Built-Up (BUR)	100%	Now	\$8,300	2032	**			
<i>Water Penetration, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Water Damage In Locker Room Ceiling Below Fan Curb On Roof.</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$32,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : First Floor Apparatus Area</i>								
Ceramic Tile	10%			2030	**	5	\$2,900	
Quarry Tile	1%	4+	\$200	2040	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Kitchen</i>								
Terrazzo	5%	0-2	\$20,900	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Dining Area</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 30%</i>								
<i>Location : First Floor</i>								
Vinyl Tile	34%			2027		3	\$3,800	
Interior Walls								
Ceramic Tile	10%			2036	**	5	\$3,800	
Concrete Masonry Unit	39%			LIFE	**	5	\$5,900	
Plaster	20%			LIFE	**	5	\$2,300	
Plywood/Hardboard	1%			LIFE	**			
SGFT/Glazed Masonry	30%			LIFE	**			

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY)**

**Asset # : 13109**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%			2032	**	5	\$1,400	
Exposed Concrete	45%			LIFE	**	5	\$1,900	
Plaster	15%	Now	\$5,600	LIFE	**	5	\$2,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : First Floor Apparatus Area</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Dormitory</i>								
Plaster	35%			LIFE	**	5	\$6,100	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2037	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2032	**			
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Not Accessible	100%							
<b>Switchgear / Switchboard</b>								
Not Accessible	100%							
<b>Raceway</b>								
Conduit	100%			2037	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2035	**	5	\$200	
<b>Wiring</b>								
Thermoplastic	100%			2037	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2032	**	5	\$100	
<b>Ground</b>								
<b>Grounding Devices</b>								
Not Accessible	100%							
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
Not Accessible	100%							
<b>Generators</b>								
Not Accessible	100%							
<b>Batteries</b>								
Not Accessible	100%							
<b>Fuel Storage</b>								
Not Accessible	100%							
<b>Lighting</b>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY)**

**Asset # : 13109**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	95%			2027	\$23,400	10	\$7,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Incandescent	5%			2022	\$2,900	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Sleeping Area 1st Floor And In Rear Yard</i>								
<i>Explanation : Incandescent Downlights</i>								
Egress Lighting Emergency, Service	100%			2027	\$4,500	1		
Exterior Lighting HID	50%			2027	\$17,100	10		
Incandescent	50%			2027	\$14,500	2		
<b>Alarm</b>								
Security System Not Accessible	100%							
Fire/Smoke Detection No Component Generic, Digital	95%	5%	Now	\$500	2037	**	1-3	\$200
<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations Around Building</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Various Locations Around Building</i>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Entire Facility</i>								
<i>Explanation : Located In NYPD Facility</i>								
Conversion Equipment Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Entire Facility</i>								
<i>Explanation : Located In NYPD Facility</i>								
Distribution Hot Wtr Piping/Pump	100%			2043	**	4	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Firehouse</i>								
<i>Explanation : Only Firehouse Piping Accessible</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY)**

**Asset # : 13109**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	95%	Now	\$2,200	2040	**	1	\$2,400	
<i>Damaged, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Officers Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Units Not Heating Properly controlled By Nypd</i>								
Unit Heater - Steam	5%			2022	\$1,500	4		
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	90%			2020	\$15,900	1		
Not Accessible	10%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : NYPD Facility</i>								
<i>Explanation : Unit Maintained With NYPD Equipment</i>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$11,600	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,000	
Exhaust Fans								
Interior	50%			2022	\$15,100	2	\$100	
Roof	50%			2027	\$7,000	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
<i>Recent Repair Evident, Extent : Light, Area Affected : 30%</i>								
<i>Location : Kitchen</i>								
Water Heater								
Electric	50%			2026	\$3,700	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : New 120 Gallon Unit</i>								
Electric	50%			2020	\$3,700	4		
<i>On Extended Life, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Of 2 120 Gallon Heater</i>								

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY)**

**Asset # : 13109**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
Sanitary Piping								
	Cast Iron	80%			LIFE	**	1	
	Cast Iron	20%	Now	\$6,200	LIFE	**	1	
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : System Backs Up And Floods During Severe Rain</i>								
Storm Drain Piping								
	Cast Iron	90%			LIFE	**	1	
	Cast Iron	10%	Now	\$900	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Severe Flooding On Main Floor In Rig Area</i>								
Sump Pump(s)								
	Non-Submersible	100%			2027	\$1,300	4	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Heavy Duty Duplex Pumps</i>								
Backflow Preventer								
	Not Accessible	100%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement</i>								
<i>Explanation : Signage For Connection Is Present / Could Not Locate Valve</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	No Component	80%						
	Generic	20%			2047	**	1-2	\$500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Only Basement Has Automatic Sprinkler Coverage</i>								
Chemical System								
	Wet	10%			2025	\$2,700	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Hood</i>								
<i>Explanation : Hood System</i>								
	No Component	90%						

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

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 217  
**Address** : 940 DEKALB AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.217 / 13110 **Yr Built/Renovated** : 1908 / 2002  
**Area Sq Ft** : 5,298 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 22-Mar-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 1601 **Lot** : 23 **BIN** : 3043215

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$247,000	
Electrical		\$7,900
<b>Total</b>	<b>\$247,000</b>	<b>\$7,900</b>
Importance Code A	\$247,000	
Importance Code B		\$7,900
<b>Total</b>	<b>\$247,000</b>	<b>\$7,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$6,300		\$7,800	\$24,800
Interior Architecture	\$15,200			
Electrical			\$5,400	\$100
Mechanical	\$4,000	\$1,100	\$5,900	\$700
<b>Total</b>	<b>\$25,400</b>	<b>\$1,100</b>	<b>\$19,000</b>	<b>\$25,600</b>
Importance Code A	\$6,800	\$500	\$8,300	\$25,400
Importance Code B	\$8,700	\$600	\$10,700	\$300
Importance Code C	\$10,000			
<b>Total</b>	<b>\$25,400</b>	<b>\$1,100</b>	<b>\$19,000</b>	<b>\$25,600</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**  
**ENGINE CO. 217**  
**Asset # : 13110**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2047	**	10	\$400	
Masonry: Brick	70%	Now	\$206,800	LIFE	**	5	\$16,800	1
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Both Side Elevations</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear And Side Walls</i>								
Masonry: Granite	2%			LIFE	**	5	\$400	
Masonry: Limestone	15%	Now	\$40,100	LIFE	**	5	\$2,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	8%			2032	**	5	\$9,600	
Windows								
Aluminum	100%			2043	**	5	\$600	
Parapets								
Masonry: Brick	60%			LIFE	**	5	\$1,100	
Metal Panel	25%			2047	**	5	\$1,800	
Slate	15%	Now	\$6,300	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Lower Roof Coping Stones</i>								
Roof								
Modified Bitumen	30%			2032	**	10	\$2,100	
Roll Roofing	68%			2023		5	\$8,000	
Skylight, Metal/Glass	2%			2053	**	10	\$500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$9,200	
Quarry Tile	10%			2040	**	5	\$1,300	
Sheet Vinyl/Rubber	40%			2035	**	5	\$5,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Recent Replace Evident</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. 217**  
**Asset # : 13110**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	10%	Now	\$300	2030	**	5	\$300	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%</i>								
<i>Location : Bathroom On 3rd Floor</i>								
Concrete Masonry Unit	10%			LIFE	**	5	\$200	
Masonry: Brick	30%	Now	\$3,600	LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Plaster	25%			LIFE	**	5	\$500	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Hall / Staircase And Hose Tower</i>								
SGFT/Glazed Masonry	25%	Now	\$6,000	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	30%	Now	\$2,100	2040	**	5	\$1,300	
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Office And Kitchen</i>								
Embossed Metal	50%			LIFE	**	5	\$1,900	
Gypsum Board	20%			LIFE	**	5	\$2,100	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2047	**			
<b>Site Pavements</b>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2040	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Ampere Main Disconnect Switch, 250 Ampere Fuses</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2047	**	5	\$100	
<b>Raceway</b>								
Conduit	20%			2027	\$6,400	1		
Conduit	80%			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. 217**  
**Asset # : 13110**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%			2026	\$2,000	5		
Molded Case Bkrs	75%			2043	**	5	\$100	
Molded Case Bkrs	20%			2026	\$7,900	5		
Wiring								
Thermoplastic	80%			2047	**	1		
Thermoplastic	20%			2027	\$5,700	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,700	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	50%			2032	**	10	\$2,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement And 1st Floor</i>						
		<i>Explanation : T-8 Lamps</i>						
Fluorescent	45%			2032	**	10	\$2,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd And 3rd Floor</i>						
		<i>Explanation : T5 Lamps - Compact Fluorescent Lamps</i>						
Incandescent	5%			2032	**	2		
Egress Lighting								
Emergency, Battery	50%			2032	**	10	\$600	
No Component	50%							
Exterior Lighting								
HID	100%			2032	**	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
Conversion Equipment								
Steam Boiler	100%			2032	**	1	\$5,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$400	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 217**  
**Asset # : 13110**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$1,700	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Entrance</i>								
<i>Explanation : Radiator Under Sized, Gets Cold</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2032	**	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Under Sized</i>								
Split Unit	15%			2032	**			
Window/Wall Unit	45%	0-2	\$1,400	2022	\$4,700	1		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Various Locations</i>								
<i>Explanation : Aging Units</i>								
No Component	20%							
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2	\$1,400	
No Component	80%							
Ventilation								
Distribution								
Not Accessible	100%							
Exhaust Fans								
Interior	10%	0-2	\$1,800	2037	**	2		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Ladies Room</i>								
Roof	15%			2027	\$1,300	2		
Wall Unit	10%			2027	\$200	2		
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	30%			2053	**	1		
<i>Not Insulated, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Galvanized Steel	70%			2032	**	1		
Water Heater								
Gas Fired	100%			2025	\$3,100	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units / 74 Gallons</i>								
Sanitary Piping								
Cast Iron	100%			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. 217**  
**Asset # : 13110**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2021	\$200	4	\$200
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	10%			2025	\$2,700	1-3	\$400
	No Component	90%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 218  
**Address** : 650 HART STREET  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.218 / 13111 **Yr Built/Renovated** : 1887 / 2001  
**Area Sq Ft** : 3,630 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 18-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 3228 **Lot** : 13 **BIN** : 3073407

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$61,100	\$77,800
Mechanical		\$52,900
<b>Total</b>	<b>\$61,100</b>	<b>\$130,600</b>
Importance Code A	\$61,100	\$77,800
Importance Code B		\$52,900
<b>Total</b>	<b>\$61,100</b>	<b>\$130,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$2,100		\$1,800	
Interior Architecture	\$22,600	\$100	\$300	\$4,200
Electrical	\$1,500	\$1,900	\$300	\$300
Mechanical	\$5,500	\$500	\$4,100	\$600
Site Enclosure	\$11,500			
<b>Total</b>	<b>\$43,100</b>	<b>\$2,500</b>	<b>\$6,600</b>	<b>\$5,000</b>
Importance Code A	\$2,400	\$300	\$2,200	\$300
Importance Code B	\$14,600	\$2,100	\$4,400	\$4,700
Importance Code C	\$26,100			
<b>Total</b>	<b>\$43,100</b>	<b>\$2,500</b>	<b>\$6,600</b>	<b>\$5,000</b>



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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 218**  
**Asset # : 13111**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%	Now	\$61,100	LIFE	**	5	\$6,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	10%			2032	**	5	\$3,700	
Windows								
Aluminum	100%			2035	**	5	\$1,100	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$100	
Masonry: Brick	85%	Now	\$700	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Slate	5%	4+	\$800	LIFE	**	5		
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Of Building</i>								
Roof								
Modified Bitumen	100%			2027	\$77,800	10	\$5,600	
Interior								
Floors								
Carpet	5%			2023	\$3,800	3	\$600	
Cast in Place Concrete	50%	Now	\$1,600	LIFE	**	5	\$6,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
Ceramic Tile	5%			2036	**	5	\$300	
Quarry Tile	5%			2040	**	5	\$400	
Vinyl Tile	35%	4+	\$1,800	2027	\$17,800	3	\$800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bunk Room</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 218**  
**Asset # : 13111**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Masonry: Brick	15%	Now	\$4,800	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Cellar</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
Plaster	75%	Now	\$9,900	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor At Rear Of Building</i>								
Wood	10%			LIFE	**	5	\$3,200	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2032	**	5	\$600	
Embossed Metal	40%	Now	\$4,200	LIFE	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	20%			LIFE	**			
Plaster	30%			LIFE	**	5	\$1,100	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2037	**			
<b>Free Standing Walls</b>								
Masonry: Brick	100%	0-2	\$11,500	2037	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Top Of Wall</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Back Yard</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2032	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2032	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
<b>Raceway</b>								
Conduit	100%			2037	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 218**  
**Asset # : 13111**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Under 600 Volts								
Panelboards								
Fused Disc Sw	10%			2035	**	5		
Molded Case Bkrs	90%			2035	**	5	\$100	
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$1,100	
Generators								
Diesel	100%			2036	**	1	\$1,400	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : One 62 Kilowatt</i>					
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$100	
Fuel Storage								
Main Tank	100%			2055	**	5	\$100	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : One 50 Gallon</i>					
Lighting								
Interior Lighting								
Fluorescent	95%			2027	\$9,600	10	\$3,200	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : T8 Lamps</i>					
Fluorescent	5%			2027	\$500	10	\$200	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : T5 Lamps - Compact Fluorescent</i>					
Egress Lighting								
Emergency, Service	50%			2027	\$900	1		
No Component	50%							
Exterior Lighting								
HID	100%			2032	**	10		
Alarm								
Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%	Now	\$1,200	2037	**	1-3	\$100	
			<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 218**  
**Asset # : 13111**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	10%			2047	**	1		
Natural Gas	90%			2047	**	1		
Conversion Equipment								
Hot Water Boiler	10%			2040	**	1	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Lounge</i>								
<i>Explanation : Underfloor Radiant Heat</i>								
Steam Boiler	90%			2040	**	1	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	10%			2043	**	4		
Central Plant Steam Piping/Pmp	90%			2027	\$52,900	4	\$200	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$1,200	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Rig Room</i>								
<i>Explanation : Insufficient Heat</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2022	\$3,600	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	25%			LIFE	**	2-5	\$500	
No Component	75%							
Exhaust Fans								
Interior	5%	Now	\$600	2037	**	2		
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor Officers Bathroom</i>								
Interior	5%	Now	\$600	2037	**	2		
<i>Unit Inoperable, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen Hood Exhaust</i>								
Roof	15%			2027	\$900	2		
Wall Unit	20%			2027	\$200	2		
No Component	55%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 218**  
**Asset # : 13111**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater							
	Gas Fired	100%			2025	\$2,100	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Two 74 Gallons</i>					
Sanitary Piping								
	Cast Iron	85%			LIFE	**	1	
	Cast Iron	15%	Now	\$3,800	LIFE	**	1	
			<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 23-Mar-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 1136 **Lot** : 11 **BIN** : 3027813

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$179,900	\$159,200
Interior Architecture		\$43,300
Electrical		\$35,100
<b>Total</b>	<b>\$179,900</b>	<b>\$237,700</b>
Importance Code A	\$179,900	\$159,200
Importance Code B		\$78,400
<b>Total</b>	<b>\$179,900</b>	<b>\$237,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$17,200		\$4,200	
Interior Architecture	\$104,600		\$500	\$600
Electrical	\$7,300	\$700	\$11,700	\$700
Mechanical	\$26,900	\$1,400	\$1,600	\$1,100
Site Pavements	\$12,700			
<b>Total</b>	<b>\$168,700</b>	<b>\$2,000</b>	<b>\$18,000</b>	<b>\$2,400</b>
Importance Code A	\$20,100	\$500	\$4,700	\$500
Importance Code B	\$111,000	\$1,600	\$13,300	\$2,000
Importance Code C	\$37,700			
<b>Total</b>	<b>\$168,700</b>	<b>\$2,000</b>	<b>\$18,000</b>	<b>\$2,400</b>



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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%	0-2	\$100,300	LIFE	**	5	\$16,300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Masonry Supporting Lintels</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Masonry Control Joints</i>								
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Several Locations Along Rear And Side Facade</i>								
Metal Panel	5%			2037	**	5-10	\$6,600	
Wood	5%			2040	**	5	\$4,800	
Wood Overhead Doors	5%			2032	**	5	\$4,800	
Windows								
Aluminum	95%	0-2	\$11,600	2035	**	5	\$700	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Side Yard Windows</i>								
Wood	5%	Now	\$2,000	2052	**	5	\$400	1
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Side Wall</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Side Wall</i>								
Parapets								
Metal Panel	5%			2037	**	5	\$100	
Metal Rail	45%			2044	**	5-10	\$4,800	
Pre-Cast Concrete	50%	2-4	\$1,100	LIFE	**	5	\$1,900	
<i>Miss/Damaged Copings, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Missing Portion Of Coping At All Elevations</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Coping Joints</i>								
Roof								
Asphalt Shingle	5%			2040	**	10	\$100	
Modified Bitumen	95%	0-2	\$79,600	2027	\$159,200			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof Penetrations And Pitch Pockets</i>								
<i>Ponding, Extent : Moderate, Area Affected : 33%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Roof Hatch</i>								

## Interior

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	45%	2-4	\$3,000	LIFE	**	5	\$12,300	
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	10%	0-2	\$12,300	2040	**	5	\$600	
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Bathroom-Shower Area Ponding Near Radiator And Leaking To Below</i>								
Quarry Tile	5%			2032	**	5	\$900	
Vinyl Tile	40%	Now	\$17,300	2027	\$43,300	3	\$1,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor</i>								
<b>Interior Walls</b>								
Ceramic Tile	11%			2030	**	5	\$1,900	
Concrete Masonry Unit	30%	4+	\$2,300	LIFE	**	5	\$2,100	
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Staircase</i>								
<i>Explanation : Missing Handrail</i>								
Gypsum Board	6%			LIFE	**	5	\$600	
Plaster	18%			LIFE	**	5	\$900	
SGFT/Glazed Masonry	32%	2-4	\$21,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
Wood	3%			LIFE	**	5	\$2,100	
<b>Ceilings</b>								
AcousTileConcealSpLn	30%	Now	\$30,900	2047	**	5	\$2,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 33%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%	Now	\$10,600	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Toilet</i>								
Plaster	65%	Now	\$5,400	LIFE	**	5	\$5,100	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Ceiling Has Been Removed Due To Leaks</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	85%			2037	**			
Iron Picket	15%			2047	**			
<b>Free Standing Walls</b>								
Cast in Place Concrete	100%			2062	**			
<b>Site Pavements</b>								

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Pavements								
Parking/Driveway								
Asphalt	50%	0-2	\$700	2040		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Side Yard Driveway</i>								
Cast in Place Concrete	50%	0-2	\$12,000	2047		**		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Building Front Entrance/ Driveway/ Sidewalk</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%	4+	\$2,500	2037		**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 250 Amp</i>								
Raceway								
Conduit	100%			2037		**	1	
Panelboards								
Molded Case Bkrs	100%			2035		**	5	\$200
Wiring								
Braided Cloth	20%			2026	\$5,700		1	
Thermoplastic	80%			2037		**	1	
Motor Controllers								
Locally Mounted	100%			2032		**	5	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Motorized Operator For 2 Overhead Doors</i>								
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$100
Stand-by Power								
Transfer Switches								
Automatic	100%			2032		**	1	\$2,800
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 60 Amperes</i>								
Generators								
Diesel	100%			2030		**	1	\$3,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 80 Kva</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500		5	\$300

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
Fuel Storage Main Tank	100%			2042	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior - Side Yard</i>								
<i>Explanation : 275 Gallon</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	95%			2032	**	10	\$7,900	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2022	\$3,000	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Tv Room</i>								
<i>Explanation : Incandescent Lamps In Use</i>								
Exterior Lighting HID	100%			2027	\$35,100	10		
<b>Alarm</b>								
Fire/Smoke Detection No Component Generic, Analog	95%	5%	0-2	\$2,400	2027	\$4,800	1-3	\$300
<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2047	**	1		
Conversion Equipment Hot Water Boiler	100%			2040	**	1	\$4,500	
Distribution Hot Wtr Piping/Pump	80%			2043	**	4	\$400	
Hot Wtr Piping/Pump	20%			2049	**	4	\$100	
<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Terminal Devices Convactor/Radiator	70%			2040	**	1	\$2,100	
Unit Heater - Steam	30%			2032	**	4	\$400	
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Unit Heaters</i>								
<b>Air Conditioning</b>								

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2020	\$18,100	1		
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Total House</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,100	
<i>Needs Cleaning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Total House</i>								
Exhaust Fans								
Roof	90%			2035	**	2	\$300	
Roof	10%	Now	\$1,400	2037	**	2		
<i>Damaged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rooftop</i>								
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2044	**	1		
Water Heater								
Gas Fired	100%			2026	\$5,300	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Two 75 Gallon Heaters</i>								
Sanitary Piping								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	Now	\$6,400	LIFE	**	1		
<i>Leak Evident, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2021	\$300	4	\$300	
Backflow Preventer								
No Component	90%							
Generic	10%			2035	**	1	\$100	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Boiler Feed</i>								
Fixtures								
Generic	100%							
Fire Suppression								

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

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Sprinkler							
	No Component	40%						
	Generic	60%			2047	**	1-2	\$1,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, Stair Tower And 2nd Floor</i>								
<i>Explanation : Fully Sprinkled</i>								
Chemical System	Wet	10%			2025	\$2,700	1-3	\$400
	No Component	90%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 22/LADDER 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** : 25-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 1514 **Lot** : 27 **BIN** : 1047937

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$57,800	
Interior Architecture		\$50,200
Electrical		\$87,300
Mechanical		\$63,800
<b>Total</b>	<b>\$57,800</b>	<b>\$201,200</b>
Importance Code A	\$57,800	
Importance Code B		\$201,200
<b>Total</b>	<b>\$57,800</b>	<b>\$201,200</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$63,900			\$300
Interior Architecture	\$25,800	\$1,000	\$1,300	
Electrical	\$18,500	\$2,900	\$5,300	\$1,800
Mechanical	\$30,500	\$900	\$28,600	\$1,100
<b>Total</b>	<b>\$138,700</b>	<b>\$4,700</b>	<b>\$35,100</b>	<b>\$3,200</b>
Importance Code A	\$64,400	\$400	\$400	\$700
Importance Code B	\$72,500	\$4,100	\$34,700	\$2,500
Importance Code C	\$1,800	\$300		
<b>Total</b>	<b>\$138,700</b>	<b>\$4,700</b>	<b>\$35,100</b>	<b>\$3,200</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**  
**ENGINE CO. 22/LADDER 13/ BATTALION 10**  
**Asset # : 13016**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	83%	4+	\$11,600	LIFE	**	5	\$18,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Front Facade</i>								
Masonry: Limestone	10%	2-4	\$5,100	LIFE	**	5	\$1,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Front Facade</i>								
Metal Sect. OHD	2%			2040	**	5	\$1,400	
Wood Overhead Doors	5%	Now	\$11,000	2040	**	5	\$2,800	
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Ohd Gets Stuck Upon Raising</i>								
<i>Explanation : Replace Door</i>								
<b>Windows</b>								
Aluminum	100%			2043	**	5	\$600	
<b>Parapets</b>								
Cast Stone/Terra Cotta	15%	2-4	\$3,400	LIFE	**	5	\$2,000	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cast Stone Copings</i>								
Masonry: Brick	85%	2-4	\$17,600	LIFE	**	5	\$1,500	
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Spalling And Paint Peeling Throughout</i>								
<b>Roof</b>								
Modified Bitumen	5%	2-4	\$3,000	2032	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Low Roof</i>								
Roll Roofing	95%			2020		5	\$22,900	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	45%			LIFE	**	5	\$14,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	10%			2030	**	5	\$1,400	
Quarry Tile	5%			2032	**	5	\$1,100	
Vinyl Tile	40%			2027		3	\$2,200	
<b>Interior Walls</b>								
Cast in Place Concrete	5%			LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Cellar And Stairwell To Cellar</i>								
Ceramic Tile	5%			2036	**	5	\$600	
Concrete Masonry Unit	5%			LIFE	**	5	\$200	
Plaster	40%	Now	\$1,800	LIFE	**	5	\$1,300	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Over Window In Engine Office</i>								
SGFT/Glazed Masonry	45%			LIFE	**			

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

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

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

## Interior

## Ceilings

AcousTileSusp.Lay-In	10%			2032	**	5	\$1,400	
Exposed Concrete	30%			LIFE	**	5	\$700	
Plaster	60%	Now	\$23,200	LIFE	**	5	\$5,400	

*Water Penetration, Extent : Severe, Area Affected : 20%*

*Location : 2nd Floor Dormitory And Front Offices*

## Site Enclosure

## Fence/Gates

Chain Link	100%			2047	**			
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## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%			2040	**			
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## On-Site Walkways

Cast in Place Concrete	100%			2040	**			
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**Electrical****Current Repair****Future Replacement****Maintenance**

<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
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## Under 600 Volts

## Service Equipment

Not Accessible	100%							
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## Raceway

Conduit	100%			2037	**	1		
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## Panelboards

Molded Case Bkrs	100%			2035	**	5	\$200	
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## Motor Controllers

Locally Mounted	100%	Now	\$1,500	2032	**	5		
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*Not Functioning, Extent : Moderate, Area Affected : 100%*

*Location : 1st Floor*

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

*Location : 1st Floor*

*Explanation : Operator For Apparatus Overhead Door Fails Must Use Manual Override*

## Ground

## Grounding Devices

Not Accessible	100%							
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## Stand-by Power

## Transfer Switches

Automatic	100%			2040	**	1	\$2,500	
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## Generators

Diesel	100%			2036	**	1	\$3,200	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Side Yard*

*Explanation : 40 Kilowatts/ 50 Kva, 208/120V, 3 Phase*

## Batteries

Lead/Acid	100%			2021	\$1,500	5	\$300	
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*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.*

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

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

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power Fuel Storage Day Tank	100%			2043	**	5	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Inside Emergency Generator Enclosure</i>								
<i>Explanation : 50 Gallon Sub- Base Day Tank</i>								
Lighting Interior Lighting Fluorescent	20%			2032	**	10	\$1,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Incandescent	5%			2022	\$2,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof, 3rd And 2nd Floors</i>								
<i>Explanation : Halogen And Incandescent Lighting Observed</i>								
LED	75%			2032	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
Egress Lighting Emergency, Service Exit, LED	50%			2027	\$2,100	1		
	50%			2042	**	1		
Exterior Lighting HID	100%	0-2	\$15,900	2037	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Side Yard Facade</i>								
<i>Explanation : Wall Mounted</i>								
Alarm Fire/Smoke Detection Generic, Analog	100%			2027	\$87,300	1-3	\$5,100	

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating Energy Source Natural Gas	100%			2057	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Gas Service Replaced During Inspection</i>								
Conversion Equipment Hot Water Boiler	100%			2040	**	1	\$4,100	
Distribution Hot Wtr Piping/Pump	100%			2035	**	4	\$400	
Terminal Devices Convactor/Radiator	90%			2032	**	1	\$2,400	
Unit Heater - Steam	10%			2027	\$2,800	4	\$100	

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Energy Source								
	Electricity	100%			2043	**	1	
Conversion Equipment								
	Exterior Pkg Unit - Cooling	15%	2-4	\$9,600	2037	**	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Lower Roof</i>				
				<i>Explanation : Serves Kitchen Area</i>				
	Exterior Pkg Unit - Cooling	30%	2-4	\$19,200	2037	**	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Roof</i>				
				<i>Explanation : Split Unit Serves 2nd Floor</i>				
	Window/Wall Unit	40%			2022	\$6,600	1	
	No Component	15%						
Distribution								
	Ductwork/Diffusers	65%			LIFE	**	2	\$7,000
	No Component	35%						
Terminal Devices								
	Fan Coil - 2 Pipe	50%			2027	\$63,800	1	\$1,300
	No Component	50%						
Heat Rejection								
	Dry Cooler	50%			2022	\$18,200	2	\$2,900
	No Component	50%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,600
Exhaust Fans								
	Roof	95%			2027	\$12,400	2	\$200
	Wall Unit	5%			2027	\$100	2	
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2037	**	1	
Water Heater								
	Gas Fired	100%			2025	\$4,800	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 - 75 Gallon Units</i>				
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2020	\$300	4	\$300
Fixtures								
	Generic	100%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 220/LADDER CO. 122  
**Address** : 530 11th STREET  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSLAD.122 / 13224 **Yr Built/Renovated** : 1865 / 1988  
**Area Sq Ft** : 4,508 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 22-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 1096 **Lot** : 25 **BIN** : 3026278

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$128,800	
<b>Total</b>	<b>\$128,800</b>	
Importance Code A	\$128,800	
<b>Total</b>	<b>\$128,800</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$34,000		\$1,000	
Interior Architecture	\$47,200		\$400	\$300
Electrical	\$14,000		\$100	
Mechanical	\$13,800	\$1,000	\$2,500	\$800
Site Enclosure	\$14,600			
Site Pavements	\$3,900			
<b>Total</b>	<b>\$127,400</b>	<b>\$1,000</b>	<b>\$3,900</b>	<b>\$1,200</b>
Importance Code A	\$43,900	\$200	\$1,200	\$200
Importance Code B	\$57,300	\$800	\$2,500	\$1,000
Importance Code C	\$26,200		\$200	
<b>Total</b>	<b>\$127,400</b>	<b>\$1,000</b>	<b>\$3,900</b>	<b>\$1,200</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**  
**ENGINE CO. 220/LADDER CO. 122**  
**Asset # : 13224**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	2%	Now	\$2,200	LIFE	**	5	\$1,900	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Rear Of Building</i>								
Masonry: Brick	35%	Now	\$20,400	LIFE	**	5	\$6,600	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Back Facade</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Back Facade</i>								
Masonry: Limestone	55%	Now	\$128,800	LIFE	**	5	\$7,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Wood	3%	Now	\$3,000	2034	**	5	\$1,400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Upper Left Corner</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Elevation Of Ladder 122</i>								
<i>Explanation : Wood Framed Cornice</i>								
Wood Overhead Doors	5%			2034	**	5	\$4,700	
Windows								
Aluminum	100%			2045	**	5	\$700	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$2,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	55%	Now	\$2,800	LIFE	**	5	\$500	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	20%			LIFE	**	5-10	\$2,100	
Metal Rail	10%			2042	**	5-10	\$1,600	
Slate	5%	0-2	\$1,500	LIFE	**	5		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2 Story Roof</i>								
Roof								
Copper/Terne	5%			2057	**	10	\$800	
Modified Bitumen	90%			2034	**	10	\$5,700	
Skylight, Metal/Glass	3%			2049	**	10	\$600	
Skylight, Plastic	2%			2034	**	1		
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Engine Company Side</i>								
<i>Explanation : Two Skylights Have Been Sealed</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. 220/LADDER CO. 122**

**Asset # : 13224**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%	4+	\$1,400	LIFE	**	5	\$5,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2032	**	5	\$300	
Quarry Tile	5%			2034	**	5	\$500	
Vinyl Tile	40%	Now	\$4,700	2034	**	3	\$1,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Wood	10%	Now	\$22,700	2069	**	5	\$600	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Engine Company Side</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Engine Company Side</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Engine Company Side</i>								
Interior Walls								
Cast in Place Concrete	5%			LIFE	**	10	\$1,200	
Ceramic Tile	5%			2032	**	5	\$500	
Concrete Masonry Unit	5%			LIFE	**	5	\$400	
Gypsum Board	31%			LIFE	**	5-10	\$4,900	
Masonry: Brick	5%			LIFE	**	10	\$100	
Granite Panels	3%	Now	\$1,100	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Plaster	31%	Now	\$1,200	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Under Sealed Skylights</i>								
SGFT/Glazed Masonry	15%			LIFE	**	10	\$700	
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$1,700	2042	**	5	\$500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement Gymnasium</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Embossed Metal	10%	4+	\$1,200	LIFE	**	5	\$300	
<i>Paint Peeling, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Struc: Steel	15%			LIFE	**	10	\$2,000	
Gypsum Board	30%			LIFE	**	5-10	\$7,000	
Plaster	30%	Now	\$1,400	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Engine 122 Side</i>								

**Site Enclosure**

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

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

## Site Enclosure

Free Standing Walls  
Masonry: Brick

100% Now \$14,600 2049 \* \*  
*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%*  
*Location : Throughout*  
*Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 25%*  
*Location : Throughout*

## Site Pavements

Public Sidewalk

Cast in Place Concrete 100% 2034 \* \*

On-Site Walkways

Cast in Place Concrete 100% Now \$3,900 2034 \* \*  
*Cracking/Crumbling, Extent : Light, Area Affected : 25%*  
*Location : Throughout*

Parking/Driveway

Cast in Place Concrete 100% 2042 \* \*

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

## Under 600 Volts

Service Equipment  
Fused Disc Sw

100% 2049 \* \* 5  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Basement*  
*Explanation : One 600 Ampere Main Disconnect Switch Serving Both Engine Company And Ladder Company*

Switchgear / Switchboard

Fused Disc Sw 100% 2049 \* \* 5

Raceway

Conduit 30% 2039 \* \* 1  
 Conduit 70% 2029 \$22,400 1

Panelboards

Fused Disc Sw 10% 2028 \$3,900 5  
 Molded Case Bkrs 90% 2037 \* \* 5 \$100

Wiring

Thermoplastic 30% 2039 \* \* 1  
 Thermoplastic 70% 2029 \$19,800 1

Motor Controllers

Locally Mounted 100% 2027 \$14,700 5

## Ground

Grounding Devices  
Generic

100% 0-2 \$9,700 LIFE \* \* 5 \$100  
*Corroded, Extent : Light, Area Affected : 100%*  
*Location : Basement*

## 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**  
**ENGINE CO. 220/LADDER CO. 122**  
**Asset # : 13224**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	70%			2029	\$8,700	10	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	30%	0-2	\$3,700	2039	**			
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
<b>Egress Lighting</b>								
Emergency, Battery	50%			2024	\$3,100	10	\$500	
Exit, Service	50%			2024	\$300	1		
<b>Exterior Lighting</b>								
HID	100%			2029	\$17,400	10		
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2049	**	1		
<b>Conversion Equipment</b>								
Hot Water Boiler	100%	0-2	\$10,000	2046	**	1	\$2,000	
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Heating Controls</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Boilers Piped With Manifold</i>								
<b>Distribution</b>								
Hot Wtr Piping/Pump	100%			2045	**	4	\$300	
<b>Terminal Devices</b>								
Air Handler	10%			2034	**	1	\$300	
Convactor/Radiator	80%			2042	**	1	\$1,200	
Unit Heater - Steam	10%			2029	\$1,500	4	\$100	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2045	**	1		
<b>Conversion Equipment</b>								
Ext Pkg Unit - Heating/Cooling	90%			2037	**	2	\$300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 80%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Engine Side - 2 Roof Units / 1 Unit In Courtyard ladder Side - 2 Units</i>								
Window/Wall Unit	10%			2024	\$900	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. 220/LADDER CO. 122**  
**Asset # : 13224**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2	\$7,300
Ventilation	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,000
	Exhaust Fans							
	Roof	100%			2034	**	2	\$100
Plumbing	H/C Water Piping							
	Brass/Copper	100%			2049	**	1	
	HW Heat Exchanger							
	Steam Fired	100%			2049	**	4	\$700
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 180 Gallon Storage Tank</i>				
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%	Now	\$400	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>				
				<i>Location : Basement</i>				
				<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>				
				<i>Location : Roof Drain, Third Floor Roof</i>				
	Sump Pump(s)							
	Submersible	100%			2023	\$100	4	\$100
	Backflow Preventer							
	No Component	50%						
	Generic	50%			2029	\$500	1	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Apparatus Floor</i>				
				<i>Explanation : One Unit</i>				
	Fixtures							
	Generic	100%						
Fire Suppression	Standpipe							
	Generic	100%			2049	**	1-5	\$2,300
	Sprinkler							
	Generic	100%			2049	**	1-2	\$1,300
				<i>No Backflow Preventer, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Main Service Entrance</i>				
	Chemical System							
	Dry	2%			2027	\$500	1-3	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : Ansul-102</i>				
	No Component	98%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 19-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 2406 **Lot** : 35 **BIN** : 3062972

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$264,500	
Interior Architecture	\$94,500	
<b>Total</b>	<b>\$359,000</b>	
Importance Code A	\$264,500	
Importance Code B	\$94,500	
<b>Total</b>	<b>\$359,000</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$9,300			\$600
Interior Architecture	\$11,000	\$1,300		\$500
Electrical	\$100	\$100	\$5,400	\$100
Mechanical	\$10,600	\$1,000	\$5,800	\$800
Site Pavements	\$2,200			
<b>Total</b>	<b>\$33,200</b>	<b>\$2,300</b>	<b>\$11,200</b>	<b>\$2,100</b>
Importance Code A	\$9,900	\$600	\$600	\$1,200
Importance Code B	\$19,100	\$600	\$10,600	\$800
Importance Code C	\$4,200	\$1,100		
<b>Total</b>	<b>\$33,200</b>	<b>\$2,300</b>	<b>\$11,200</b>	<b>\$2,100</b>



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. 221/LADDER CO. 104**  
**Asset # : 13114**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	4+	\$51,500	LIFE	**	5	\$16,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Rear And Side Facades</i>								
Masonry: Granite	2%			LIFE	**	5	\$300	
Masonry: Limestone	10%	2-4	\$4,700	LIFE	**	5	\$1,600	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	8%			2040	**	5	\$8,400	
Windows								
Aluminum	100%			2043	**	5	\$1,200	
Parapets								
Masonry: Brick	75%	0-2	\$50,300	LIFE	**	5	\$1,700	1
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Of Building</i>								
<i>Spalling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	Now	\$500	LIFE	**	5	\$300	1
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
Slate	15%	Now	\$39,300	LIFE	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout Side And Rear Elevations</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	98%	0-2	\$123,400	2037	**			
<i>Patching Evident, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Of Building By Drain</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Of Building By Drain</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	2%			2037	**	10	\$600	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 221/LADDER CO. 104**

**Asset # : 13114**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$43,800	LIFE	**	5	\$9,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout Steel Columns And Beams In Basement Are Shoring Up</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Steel Columns And Beams In Basement Are Shoring Up Floor</i>								
Ceramic Tile	5%			2036	**	5	\$500	
Quarry Tile	5%	4+	\$2,700	2047	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	45%			2032	**	3	\$2,100	
Interior Walls								
Cast in Place Concrete	30%			LIFE	**			
Ceramic Tile	15%			2036	**	5	\$2,100	
Masonry: Brick	20%			LIFE	**			
Plaster	35%	Now	\$2,000	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof Access, Wall Near Entrance, 2nd Floor Miscellaneous Areas</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Roof Access, Second Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2040	**	5	\$500	
Exposed Concrete	15%	Now	\$50,600	LIFE	**	5	\$200	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Cellar Under Apparatus Floor</i>								
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Cellar Under Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Structurally Insufficient And Supported By Temporary Steel Columns</i>								
Plaster	80%	Now	\$5,500	LIFE	**	5	\$5,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Office At Front Of Building</i>								
Site Enclosure								
Fence/Gates								
Chain Link	97%			2047	**			
Iron Picket	3%			2062	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2040	**			

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

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 221/LADDER CO. 104**

**Asset # : 13114**

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

Site Pavements

Parking/Driveway

Cast in Place Concrete      100%    Now                      \$2,200      2047                      \* \*

*Cracking/Crumbling, Extent : Moderate, Area Affected : 30%*

*Location : Front Of Driveway*

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

Under 600 Volts

Service Equipment

Fused Disc Sw                      100%                      2047                      \* \*      5

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

*Location : Basement*

*Explanation : One 400 Amperes*

Raceway

Conduit                              50%                              2047                      \* \*      1

Conduit                              50%                              2037                      \* \*      1

Panelboards

Fused Disc Sw                      20%                              2043                      \* \*      5

Molded Case Bkrs                      50%                              2035                      \* \*      5                      \$100

Molded Case Bkrs                      30%                              2043                      \* \*      5

Wiring

Thermoplastic                      100%                              2047                      \* \*      1

Motor Controllers

Locally Mounted                      100%                              2040                      \* \*      5

Ground

Grounding Devices

Generic                              100%                              LIFE                      \* \*      5                      \$100

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

*Location : Basement*

*Explanation : The Is No Ground Wire Jumper For The Water Meter.*

Lighting

Interior Lighting

Fluorescent                              95%                              2032                      \* \*      10                      \$5,300

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

*Location : Throughout Firehouse.*

*Explanation : T8 Lamps*

Incandescent                              5%                              2032                      \* \*      2

Egress Lighting

Exit, Service                              100%                              2027                      \$700      1

Exterior Lighting

HID                                      100%                              2032                      \* \*      10

Alarm

Security System

No Component                              80%

Generic                                      20%                              2032                      \* \*      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. 221/LADDER CO. 104**  
**Asset # : 13114**

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

**Alarm**

## Fire/Smoke Detection

No Component

95%

Generic, Digital

5%

2027

\$3,200

1-3

\$200

*Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : Various Locations Around Building*

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

**Heating**

## Energy Source

Natural Gas

100%

2047

\* \*

1

## Conversion Equipment

Steam Boiler

100%

2040

\* \*

1

\$6,100

*Recent Replace Evident, Extent : Light, Area Affected : 100%**Location : Basement*

## Distribution

Central Plant Steam

100%

2037

\* \*

4

\$500

Piping/Pmp

## Terminal Devices

Convactor/Radiator

90% Now

\$2,800

2032

\* \*

1

\$1,600

*Other Observation, Extent : Moderate, Area Affected : 10%**Location : Throughout**Explanation : Radiator Valves Need Replacement - Several Radiators Removed*

Unit Heater - Steam

10%

2027

\$2,100

4

\$100

**Air Conditioning**

## Energy Source

Electricity

100%

2043

\* \*

1

## Conversion Equipment

Split Unit

40%

2032

\* \*

Window/Wall Unit

40% Now

\$1,000

2022

\$4,900

1

*Broken, Extent : Moderate, Area Affected : 50%**Location : 2nd Floor Officers Office*

No Component

20%

**Ventilation**

## Distribution

Ductwork/Diffusers

20% Now

\$2,200

LIFE

\* \*

2-5

\$700

*Damaged, Extent : Severe, Area Affected : 50%**Location : Kitchen Hood Duct**Other Observation, Extent : Severe, Area Affected : 100%**Location : Kitchen Hood**Explanation : Replace Wrong Installation Of Kitchen Hood And Associated Ducts. Grease**Leaks From Duct*

No Component

80%

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 221/LADDER CO. 104**

**Asset # : 13114**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
	Exhaust Fans							
	Roof	30%			2032	**	2	\$100
	Wall Unit	20%	Now		2027	\$400	2	
		<i>Malfunctioning, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Apparatus Floor, Defective Exhaust Fan</i>						
	No Component	50%						
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	10%			2047	**	1	
		<i>Not Insulated, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Other Observation, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : No Dielectric Fittings</i>						
	Galvanized Steel	90%			2032	**	1	
	Water Heater							
	Gas Fired	100%			2025	\$3,600	2	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units At 74 Gallons Each</i>						
		<i>Booster Pump</i>						
	Sanitary Piping							
	Cast Iron	100%	Now	\$2,100	LIFE	**	1	
		<i>Leak Evident, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Basement</i>						
	Storm Drain Piping							
	Cast Iron	70%	Now	\$900	LIFE	**	1	
		<i>Leak Evident, Extent : Light, Area Affected : 10%</i>						
		<i>Location : South East Corner Of Second Floor, Probable Roof Drain Pipe Leak</i>						
	Cast Iron	30%	Now	\$700	LIFE	**	1	
		<i>Blockage /Clogged, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
	Sump Pump(s)							
	Submersible	100%			2020	\$200	4	\$200
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Inadequate</i>						
	Fixtures							
	Generic	100%						

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

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY  
**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** : 18-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 1633 **Lot** : 39 **BIN** : 3044596

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$188,700	
Interior Architecture		\$35,900
Mechanical		\$204,800
<b>Total</b>	<b>\$188,700</b>	<b>\$240,600</b>
Importance Code A	\$188,700	
Importance Code B		\$240,600
<b>Total</b>	<b>\$188,700</b>	<b>\$240,600</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$34,100		\$12,200	\$100
Interior Architecture	\$13,600		\$2,400	\$500
Electrical	\$600		\$18,100	
Mechanical	\$8,300	\$36,800	\$13,800	\$3,800
<b>Total</b>	<b>\$56,600</b>	<b>\$36,800</b>	<b>\$46,500</b>	<b>\$4,400</b>
Importance Code A	\$34,600	\$500	\$12,700	\$500
Importance Code B	\$18,300	\$36,400	\$33,900	\$3,900
Importance Code C	\$3,700			
<b>Total</b>	<b>\$56,600</b>	<b>\$36,800</b>	<b>\$46,500</b>	<b>\$4,400</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.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY**

**Asset # : 13115**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	50%	Now	\$32,600	LIFE	**	5	\$5,300	1
<i>Expansion Jnt Failure, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Rear Brick Facade At Relieving Angle At Parapet</i>								
Metal Sect. OHD	10%			2032	**	5	\$3,300	
Pre-Cast Concrete	40%			LIFE	**	5	\$13,700	
<b>Windows</b>								
Aluminum	90%	Now	\$42,600	2052	**	5	\$500	
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Window Lintels At Multiple Unit Windows</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Aluminum	10%			2043	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Front</i>								
<i>Explanation : (2) New Windows At Battalion Chief Office</i>								
<b>Parapets</b>								
Masonry: Brick	70%			LIFE	**	5	\$800	
Metal: Cage/Fence	10%	Now	\$700	2032	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Side Parapet Near Front</i>								
Pre-Cast Concrete	20%	2-4	\$900	LIFE	**	5	\$1,500	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<b>Roof</b>								
Built-Up (BUR)	100%			2022		10	\$10,500	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	45%			LIFE	**	5	\$13,600	
Ceramic Tile	10%			2030	**	5	\$1,400	
Terrazzo	15%	4+	\$2,000	LIFE	**	5	\$1,600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Stairwell</i>								
Vinyl Tile	30%	2-4	\$7,200	2027	\$35,900	3	\$1,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Lockers And Weight Room</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 40%</i>								
<i>Location : Throughout 2nd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY**  
**Asset # : 13115**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	10%			2030	**	5	\$1,500	
Gypsum Board	10%			LIFE	**	5	\$900	
Plaster	25%	Now	\$3,000	LIFE	**	5	\$1,100	
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Weight Room, Corridor By Suana</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Weight Room</i>								
Plywood/Hardboard	5%			LIFE	**			
SGFT/Glazed Masonry	50%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	45%			2032	**	5	\$4,800	
Exposed Concrete	40%			LIFE	**	5	\$700	
Gypsum Board	5%			LIFE	**	5	\$700	
Plaster	10%			LIFE	**	5	\$700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<b>Site Enclosure</b>								
<b>Free Standing Walls</b>								
Masonry: Brick	100%			2037	**			
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Not Accessible	100%							
<b>Raceway</b>								
Conduit	100%			2027	\$32,000	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2035	**	5	\$200	
<b>Wiring</b>								
Thermoplastic	100%			2037	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2025	\$14,700	5	\$100	
<b>Ground</b>								
<b>Grounding Devices</b>								
Not Accessible	100%							
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
Not Accessible	100%							
<b>Generators</b>								
Not Accessible	100%							
<b>Batteries</b>								
Not Accessible	100%							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY**

**Asset # : 13115**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Stand-by Power								
Fuel Storage								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	95%			2027	\$24,200	10	\$8,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2022	\$3,000	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Office</i>								
<i>Explanation : Downlights</i>								
Egress Lighting								
Emergency, Service	50%			2027	\$2,300	1		
Exit, Service	50%			2027	\$500	1		
Exterior Lighting								
HID	50%			2027	\$17,700	10		
Incandescent	50%			2022	\$15,100	2		
Alarm								
Security System								
Not Accessible	100%							
Fire/Smoke Detection								
No Component	95%							
Generic, Digital	5%	0-2	\$500	2037	**	1-3	\$300	
<i>Devices Damaged, Extent : Light, Area Affected : 50%</i>								
<i>Location : Through Out The Building</i>								
<i>Devices Missing, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout Building</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Located In Basement Of N Y P D Area</i>								
Conversion Equipment								
Hot Water Boiler	100%			2040	**	1	\$4,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Located In Basement Of N Y P D Area</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY**  
**Asset # : 13115**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2043	**	4	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Piping Comes From Basement Of N Y P D Area</i>								
Terminal Devices								
Convactor/Radiator	95%	Now	\$900	2040	**	1	\$2,500	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Entire House</i>								
<i>Explanation : Firehouse Side Of System Has Comfort Control Issues</i>								
Unit Heater - Steam	5%			2027		4		
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Penthouse</i>								
<i>Explanation : Located In Penthouse Above N Y P D Area</i>								
Conversion Equipment								
Reciprocating Compr/Chiller	50%			2027	\$37,300	1	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Penthouse</i>								
<i>Explanation : Located In Penthouse Above N Y P D Area</i>								
Split Unit	10%			2032	**			
Window/Wall Unit	40%			2022	\$7,300	1		
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$12,000	
Terminal Devices								
Fan Coil - 2 Pipe	100%	Now	\$3,300	2027	\$167,400	1	\$2,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Penthouse</i>								
<i>Explanation : Located In Penthouse Above N Y P D Area / Firehouse Area Has Comfort Control Issues</i>								
Heat Rejection								
Water Cooling Tower	100%			2021	\$33,400	2	\$9,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Maintained By NYPD</i>								
<i>Explanation : NYPD</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,100	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY**

**Asset # : 13115**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
Exhaust Fans								
	Interior	50%			2027	\$15,700	2	\$100
	Roof	40%	4+	\$600	2027	\$5,800	2	\$100
<i>Dented, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof Kitchen Fan</i>								
	Roof	10%	Now	\$1,500	2037	**	2	
<i>Abandoned in Place, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2047	**	1	
Water Heater								
	Electric	100%			2025	\$7,800	4	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 2 - 120 Gallon Units</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%	Now	\$900	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
Backflow Preventer								
	Generic	100%			2032	**	1	\$600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Located In Basement Of N Y P D Area</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Standpipe								
	Generic	100%			2047	**	1-5	\$4,800
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Stair</i>								
<i>Explanation : Connections At 1st And 2nd Floors</i>								
Chemical System								
	Wet	10%			2025	\$2,700	1-3	\$400
	No Component	90%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 20-Apr-2016 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 260 **Lot** : 36 **BIN** : 3002336

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$74,900
<b>Total</b>		<b>\$74,900</b>
Importance Code A		\$74,900
<b>Total</b>		<b>\$74,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$41,000		\$5,700	
Interior Architecture	\$63,000	\$300	\$300	
Electrical	\$4,600	\$100	\$28,400	
Mechanical	\$6,600	\$1,000	\$12,400	\$900
<b>Total</b>	<b>\$115,200</b>	<b>\$1,300</b>	<b>\$46,700</b>	<b>\$900</b>
Importance Code A	\$41,500	\$500	\$6,200	\$500
Importance Code B	\$70,100	\$800	\$40,500	\$400
Importance Code C	\$3,600			
<b>Total</b>	<b>\$115,200</b>	<b>\$1,300</b>	<b>\$46,700</b>	<b>\$900</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 224**  
**Asset # : 13116**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	60%	0-2	\$26,800	LIFE	**	5	\$16,000	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Cellar</i>								
Masonry: Granite	5%	4+	\$3,600	LIFE	**	5	\$1,000	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	4+	\$7,200	LIFE	**	5	\$2,000	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	20%			LIFE	**	5	\$4,000	
Wood Overhead Doors	5%			2032	**	5	\$6,700	
Windows								
Aluminum	100%			2035	**	5	\$1,300	
Parapets								
Masonry: Brick	85%	4+	\$2,500	LIFE	**	5	\$1,900	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	15%	4+	\$300	LIFE	**	5	\$2,100	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Roof								
Copper/Terne	15%			2042	**	10	\$2,300	
Modified Bitumen	80%			2027	\$74,900	10	\$5,000	
Skylight, Metal/Glass	5%			2047	**	10	\$1,000	
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$24,100	LIFE	**	5	\$7,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Slab Is Structurally Insufficient To Carry Current Loads</i>								
Ceramic Tile	10%			2030	**	5	\$900	
Quarry Tile	5%			2032	**	5	\$700	
Vinyl Tile	25%			2027	\$20,500	3	\$800	
Wood	20%	4+	\$1,300	2042	**	5	\$1,600	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 224**  
**Asset # : 13116**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	10%			2030	**	5	\$1,200	
Gypsum Board	5%			LIFE	**	5	\$400	
Masonry: Brick	20%	4+	\$2,100	LIFE	**			
<i>Vertical Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Cellar</i>								
Masonry: Fieldstone	5%	4+	\$900	LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Cellar Foundation Wall Adjacent To Stairwell</i>								
<i>Explanation : Eroded Mortar Joints</i>								
Plaster	35%			LIFE	**	5	\$1,300	
SGFT/Glazed Masonry	25%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%	4+	\$400	2032	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Floor At Front Of Building</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Floor At Front Of Building</i>								
Embossed Metal	65%	4+	\$2,200	LIFE	**	5	\$2,500	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Floor Gymnasium Area</i>								
Exposed Concrete	25%	Now	\$31,100	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Cellar</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Cellar</i>								
Gypsum Board	5%			LIFE	**	5	\$500	
<b>Site Enclosure</b>								
<b>Free Standing Walls</b>								
Masonry: Brick	100%			2037	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2040	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2027	\$5,400	5		
<i>Enclosure Corroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 224**  
**Asset # : 13116**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Raceway								
Conduit	90%			2037	**	1		
Conduit	10%	0-2	\$3,500	2057	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Panelboards								
Fused Disc Sw	20%			2026	\$8,600	5		
Molded Case Bkrs	60%			2026	\$25,700	5	\$100	
Molded Case Bkrs	20%			2035	**	5		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Distribution Panel Is Blocked From Access Due To Temporary Structural Support For Apparatus Room Floor.</i>								
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5		
Ground								
Grounding Devices								
Generic	100%	0-2	\$1,100	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement - Water Main</i>								
<i>Explanation : Corroded</i>								
Lighting								
Interior Lighting								
Fluorescent	68%			2027	\$10,900	10	\$3,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	30%			2022	\$4,800	10	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-12 Lamps</i>								
Incandescent	2%			2022	\$800	2		
Egress Lighting								
Emergency, Service	50%			2027	\$1,500	1		
No Component	50%							
Exterior Lighting								
HID	67%			2022	\$15,000	10		
Incandescent	33%			2022	\$6,300	2		

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

Heating

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 224**  
**Asset # : 13116**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$5,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Natural Gas Fired Steam Boiler</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2047	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$1,700	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2022		1	\$11,600	
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	5%	4+	\$2,600	LIFE	**	2-5	\$200	
<i>Corroded, Extent : Light, Area Affected : 20%</i>								
<i>Location : Kitchen Hood Duct</i>								
No Component	95%							
Exhaust Fans								
Interior	20%			2032	**	2		
Roof	10%			2027		2	\$900	
Wall Unit	20%			2027		2	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : 1 Wall Unit</i>								
No Component	50%							
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	10%			2047	**	1		
Galvanized Steel	90%			2040	**	1		
Water Heater								
Gas Fired	100%			2025		2	\$3,400	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 224**  
**Asset # : 13116**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sanitary Piping								
Cast Iron	85%			LIFE	**	1		
Cast Iron	5%	Now	\$1,000	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Drain At Ice Maker</i>								
Cast Iron	10%	Now	\$1,600	LIFE	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Explanation : Floods With Sewage During Rainstorm</i>								
Storm Drain Piping								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	Now	\$700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Explanation : Floods Occasionally</i>								
Sump Pump(s)								
Submersible	100%			2021	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2025	\$2,900	1-3	\$400	
No Component	90%							

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 22-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 4271 **Lot** : 75 **BIN** : 3095894

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$87,700	\$161,700
Mechanical	\$58,200	
<b>Total</b>	<b>\$145,900</b>	<b>\$161,700</b>
Importance Code A	\$145,900	\$161,700
<b>Total</b>	<b>\$145,900</b>	<b>\$161,700</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$42,200		\$16,200	
Interior Architecture	\$25,600	\$1,600	\$300	\$400
Electrical	\$3,600	\$600	\$3,300	\$600
Mechanical	\$23,100	\$700	\$12,000	\$900
<b>Total</b>	<b>\$94,500</b>	<b>\$2,900</b>	<b>\$31,900</b>	<b>\$2,000</b>
Importance Code A	\$45,800	\$400	\$16,600	\$400
Importance Code B	\$37,700	\$1,500	\$15,200	\$1,600
Importance Code C	\$11,100	\$1,000		
<b>Total</b>	<b>\$94,500</b>	<b>\$2,900</b>	<b>\$31,900</b>	<b>\$2,000</b>



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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	55%	4+	\$6,000	LIFE	**	5	\$9,700	
<i>Graffiti, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Facade (Linden Boulevard)</i>								
Masonry: Brick	5%	Now	\$27,100	LIFE	**	5	\$900	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Steel Cap At Chimney</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Vertical And Horizontal Cracks - Chimney At Roof</i>								
Metal Sect. OHD	10%			2040	**	5	\$5,500	
Stucco Cement	30%	4+	\$3,100	2040	**	5	\$6,600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Exterior Soffit At Side Entrance Of Building</i>								
<b>Windows</b>								
Aluminum	100%	Now	\$87,700	2052	**	5	\$1,000	
<i>Air Infiltration, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Thermally Inefficient</i>								
<b>Parapets</b>								
Metal Panel	10%			2037	**	5	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Roof Parapet</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	60%			2032	**	5-10	\$24,500	
Stucco Cement	30%			2032	**	5	\$1,800	
<b>Roof</b>								
Modified Bitumen	100%	Now	\$3,200	2027	\$161,700			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Chimney</i>								

Interior

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$7,900	LIFE	**	5	\$16,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	10%			2036	**	5	\$1,200	
Terrazzo	5%			LIFE	**	5	\$500	
Vinyl Tile	25%			2032	**	3	\$1,600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 75%</i>								
<i>Location : 2nd Floor Throughout</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%			2036	**	5	\$1,900	
Concrete Masonry Unit	5%			LIFE	**	5	\$400	
Masonry: Brick	2%			LIFE	**			
Plaster	35%	0-2	\$11,100	LIFE	**	5	\$2,000	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Stairwell</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stairwell</i>								
SGFT/Glazed Masonry	35%			LIFE	**			
Wood	3%			LIFE	**	5	\$2,300	
Ceilings								
AcousTileSusp.Lay-In	5%			2032	**	5	\$600	
Exposed Concrete	20%			LIFE	**	5	\$400	
Plaster	75%	Now	\$6,300	LIFE	**	5	\$5,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stairwell At Roof Hatch</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Duct Soffit In 2nd Floor Lounge And Stairwell</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stairwell At Roof Hatch</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2047	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2040	**			
Parking/Driveway								
Asphalt	20%			2030	**			
Cast in Place Concrete	80%			2040	**			

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Under 600 Volts								
	Service Equipment							
	Fused Disc Sw	100%			2037	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Service Room</i>					
			<i>Explanation : 400 Amperes Fused Service Switch</i>					
Raceway								
	Conduit	80%			2037	**	1	
	Conduit	20%			2047	**	1	
Panelboards								
	Molded Case Bkrs	80%			2035	**	5	\$200
	Molded Case Bkrs	20%			2043	**	5	
			<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Various Locations Throughout Building</i>					
			<i>Explanation : Tripping Circuit Breakers When Turning a/c on</i>					
Wiring								
	Thermoplastic	90%			2037	**	1	
	Thermoplastic	10%			2047	**	1	
Motor Controllers								
	Locally Mounted	100%			2032	**	5	\$100
Ground								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$100
Stand-by Power								
	Transfer Switches							
	Automatic	100%			2032	**	1	\$2,600
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 260 Amp, 3 Pole</i>					
Generators								
	Diesel	100%			2030	**	1	\$3,200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Side Yard</i>					
			<i>Explanation : 81 Kva, 3 Phase, 120/208 V</i>					
Batteries								
	Lead/Acid	100%			2020	\$1,500	5	\$300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Exterior</i>					
			<i>Explanation : Inside Enclosure</i>					
Fuel Storage								
	Day Tank	10%			2035	**	5	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Backyard</i>					
			<i>Explanation : 60 Gallon Sub-basement Diesel Fuel Tank</i>					
	Main Tank	90%			2042	**	5	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 550 Gallon Diesel Fuel Tank</i>					

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	5%			2022	\$1,200	10	\$400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	2%			2027	\$500	10	\$200	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
LED	93%			2032	* *			
<b>Egress Lighting</b>								
Emergency, Service	50%			2027	\$2,100	1		
Exit, Service	50%			2027	\$500	1		
<b>Exterior Lighting</b>								
Fluorescent	5%			2027	\$1,400	10		
HID	45%			2022	\$1,000	10		
HID	30%	Now	\$700	2037	* *			
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Facade</i>								
Incandescent	20%			2027	\$5,400	2		
<i>Not in Service, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Wall Mounted, Controlled Via Switch</i>								
<b>Alarm</b>								
Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%	Now	\$400	2037	* *	1-3	\$200	
<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : One One First Floor And One On Second Floor</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : First And Second Floor</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Electricity	5%			2047	* *	1		
Natural Gas	95%			2047	* *	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 225 / LADDER 107 / BATTALION 39**

**Asset # : 13117**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Hot Water Boiler	95%	Now	\$58,200	2047	**	1	\$3,500	
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 3 Burner Modular, 2 Burners Do Not Work</i>								
Radiant Heater	5%	Now	\$3,500	2032	**	2	\$200	
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor House Watch</i>								
Distribution								
Hot Wtr Piping/Pump Under Construction	80%			2035	**	4	\$300	
	20%							
Terminal Devices								
Convactor/Radiator	70%			2032	**	1	\$1,900	
Convactor/Radiator	10%	Now	\$900	2032	**	1	\$200	
<i>Broken, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Office</i>								
<i>Malfunctioning, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
Unit Heater - Steam	20%			2027	\$5,700	4	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Rig Area</i>								
<i>Explanation : Inadequate</i>								
Air Conditioning								
Energy Source Electricity	100%			2043	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%	Now	\$12,900	2037	**	2	\$100	
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Window/Wall Unit	60%			2022	\$9,900	1		
Window/Wall Unit	10%	Now	\$1,700	2027	\$1,700	1		
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Gymnasium And 2nd Floor Locker Room</i>								
No Component	10%							
Distribution								
Ductwork/Diffusers	20%	Now	\$800	LIFE	**	2	\$2,200	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Cardio</i>								
<i>Explanation : Ductwork Not Connected To Air Outlet</i>								
No Component	80%							
Ventilation								

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

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	10%	2-4	\$1,500	LIFE	**	2-5	\$500	
<i>Corroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Kitchen Hood Exhaust Duct</i>								
No Component	90%							
<b>Exhaust Fans</b>								
Interior	50%			2027	\$14,100	2	\$100	
Roof	15%			2035	**	2		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Roof	10%	Now	\$1,300	2037	**	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Fan On Roof Serves Kitchen Hood</i>								
Wall Unit	25%			2022	\$700	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rig Area</i>								
<i>Explanation : Inadequate</i>								
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
Brass/Copper	100%			2047	**	1		
<i>Not Insulated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Areas</i>								
<b>Water Heater</b>								
Gas Fired	100%			2025	\$4,900	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 74 Gallon Units</i>								
<b>Sanitary Piping</b>								
Cast Iron	100%			LIFE	**	1		
<b>Storm Drain Piping</b>								
Cast Iron	100%			LIFE	**	1		
<b>Sump Pump(s)</b>								
Submersible	100%			2020	\$300	4	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Units In 2 Locations</i>								
<b>Backflow Preventer</b>								
No Component	95%							
Generic	5%			2032	**	1		
<b>Fixtures</b>								
Generic	100%							
<b>Fire Suppression</b>								
<b>Chemical System</b>								
Wet	10%			2025	\$2,700	1-3	\$400	
No Component	90%							

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 20-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 172 **Lot** : 48 **BIN** : 3000562

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$79,700	\$64,600
Interior Architecture	\$83,900	
<b>Total</b>	<b>\$163,600</b>	<b>\$64,600</b>
Importance Code A	\$79,700	\$64,600
Importance Code B	\$83,900	
<b>Total</b>	<b>\$163,600</b>	<b>\$64,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$11,100		\$5,200	
Interior Architecture	\$17,800	\$300		\$300
Electrical	\$1,500	\$1,900	\$4,800	\$300
Mechanical	\$3,500	\$500	\$2,000	\$600
Site Enclosure	\$17,200			
<b>Total</b>	<b>\$51,200</b>	<b>\$2,700</b>	<b>\$12,000</b>	<b>\$1,200</b>
Importance Code A	\$11,500	\$400	\$5,600	\$400
Importance Code B	\$19,400	\$2,300	\$6,400	\$900
Importance Code C	\$20,300			
<b>Total</b>	<b>\$51,200</b>	<b>\$2,700</b>	<b>\$12,000</b>	<b>\$1,200</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**  
**ENGINE CO. 226**  
**Asset # : 13118**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$79,700	LIFE	**	5	\$12,900	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : North Facade</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : North Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Foundation</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cornice At South Facade</i>								
<i>Explanation : Painted Surface</i>								
Wood Overhead Doors	10%			2032	**	5	\$8,100	
Windows								
Aluminum	100%			2035	**	5	\$1,000	
Parapets								
Masonry: Brick	85%			LIFE	**	5	\$1,500	
Metal Panel	5%			2047	**	5	\$300	
Metal Rail	5%			2032	**	5-10	\$1,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : South Parapet</i>								
<i>Explanation : Ornamental Cast Iron</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$600	
Roof								
Modified Bitumen	85%	Now	\$6,500	2027	\$64,600			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North Section</i>								
<i>Drains Clogged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Drain At North Side Of Roof</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Drain At North Section</i>								
Roll Roofing	15%			2020	\$3,500	5	\$1,400	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Kitchen</i>								

## Interior

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	45%			LIFE	**	5	\$5,600	
Ceramic Tile	10%			2036	**	5	\$600	
Vinyl Tile	45%	2-4	\$13,300	2032	**	3	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<hr/>								
<b>Interior Walls</b>								
Masonry: Brick	10%	4+	\$3,100	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	80%			LIFE	**	5	\$1,900	
Wood	10%			LIFE	**	5	\$3,100	
<hr/>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%	4+	\$1,400	2032	**	5	\$300	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Embossed Metal	45%			LIFE	**	5	\$1,200	
Exposed Concrete	45%	Now	\$83,900	LIFE	**	5	\$400	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Steel Beams</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Slab</i>								
<i>Explanation : Support Of Apparatus Floor Is Reinforced With Lally Columns</i>								
<hr/>								
<b>Site Enclosure</b>								
<b>Free Standing Walls</b>								
Masonry: Brick	100%	Now	\$17,200	2037	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Rear Yard</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Rear Yard</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Vertical Cracking</i>								
<hr/>								
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								

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. 226**  
**Asset # : 13118**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2047	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Main Service Switch Rated At 200 Amperes</i>						
<b>Raceway</b>								
Conduit	50%			2047	**	1		
Conduit	50%			2037	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	50%			2043	**	5		
Molded Case Bkrs	50%			2035	**	5		
<b>Wiring</b>								
Thermoplastic	100%			2047	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2040	**	5		
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$100	
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
Automatic	100%			2040	**	1	\$1,100	
<b>Generators</b>								
Diesel	100%			2036	**	1	\$1,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : Diesel Generator Rated At 60 Kw</i>						
<b>Batteries</b>								
Lead/Acid	100%			2021	\$1,500	5	\$100	
<b>Fuel Storage</b>								
Main Tank	100%			2055	**	5	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 50 Gallon Capacity</i>						
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	90%			2032	**	10	\$3,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps</i>						
Fluorescent	5%			2032	**	10	\$200	
		<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
Incandescent	5%			2022	\$1,200	2		
<b>Egress Lighting</b>								
Emergency, Service	100%			2032	**	1		
<b>Exterior Lighting</b>								
HID	100%			2032	**	10		

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Estimates are rounded to the nearest hundred dollars.

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 226**  
**Asset # : 13118**

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

**Alarm**

## Fire/Smoke Detection

No Component

90%

Generic, Digital

10%

Now

\$1,200

2037

\* \*

1-3

\$200

*Devices Missing, Extent : Moderate, Area Affected : 100%**Location : Various Locations Around The Building**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : Various Locations Around The Building*

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

**Heating**

## Energy Source

Natural Gas

100%

2047

\* \*

1

*Recent Replace Evident, Extent : Light, Area Affected : 100%**Location : Total House*

## Conversion Equipment

Steam Boiler

100%

2040

\* \*

1

\$3,700

## Distribution

Central Plant Steam

100%

2047

\* \*

4

\$200

Piping/Pmp

## Terminal Devices

Convactor/Radiator

100%

2040

\* \*

1

\$1,200

**Air Conditioning**

## Energy Source

Electricity

100%

2043

\* \*

1

## Conversion Equipment

Exterior Pkg Unit -

Cooling

50%

2032

\* \*

2

\$100

Window/Wall Unit

50%

2025

\$3,700

1

## Distribution

Ductwork/Diffusers

100%

LIFE

\* \*

2

\$4,800

**Ventilation**

## Distribution

Ductwork/Diffusers

100%

LIFE

\* \*

2-5

\$2,100

## Exhaust Fans

Interior

25%

2032

\* \*

2

Roof

30%

Now

\$1,800

2037

\* \*

2

*Unit Inoperable, Extent : Moderate, Area Affected : 25%**Location : Kitchen Hood*

Roof

10%

2032

\* \*

2

Wall Unit

10%

Now

\$100

2037

\* \*

2

*Malfunctioning, Extent : Moderate, Area Affected : 25%**Location : Rig General Exhaust*

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**  
**ENGINE CO. 226**  
**Asset # : 13118**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	H/C Water Piping Galvanized Steel	100%			2040	**	1	
	Water Heater Gas Fired	100%			2025	\$2,200	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Two 74 Gallon</i>				
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	85%			LIFE	**	1	
	Cast Iron	15%	Now	\$1,100	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 50%</i>				
				<i>Location : Roof</i>				
				<i>Cracked, Extent : Light, Area Affected : 20%</i>				
				<i>Location : Basement</i>				
	<b>Fixtures</b> 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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 227  
**Address** : 423 RALPH AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.227 / 13119 **Yr Built/Renovated** : 1907 /  
**Area Sq Ft** : 8,440 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 18-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 1445 **Lot** : 2 **BIN** : 3038838

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$160,500	\$62,200
Interior Architecture	\$109,300	
Mechanical		\$227,600
<b>Total</b>	<b>\$269,800</b>	<b>\$289,800</b>
Importance Code A	\$160,500	\$114,400
Importance Code B	\$109,300	\$175,400
<b>Total</b>	<b>\$269,800</b>	<b>\$289,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$28,800	\$100		
Interior Architecture	\$68,300	\$600	\$300	\$200
Electrical	\$12,900		\$19,200	
Mechanical	\$33,400	\$1,200	\$32,300	\$1,200
Site Enclosure	\$10,000			
Site Pavements	\$1,800			
<b>Total</b>	<b>\$155,300</b>	<b>\$1,900</b>	<b>\$51,900</b>	<b>\$1,400</b>
Importance Code A	\$34,600	\$1,000	\$800	\$800
Importance Code B	\$106,300	\$1,000	\$51,000	\$600
Importance Code C	\$14,400			
<b>Total</b>	<b>\$155,300</b>	<b>\$1,900</b>	<b>\$51,900</b>	<b>\$1,400</b>



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

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	0-2	\$67,300	LIFE	**	5	\$7,300	
<i>Diagonal Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : 3rd Floor Rear Wall</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Throughout Except Front Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Left Facade And Throughout Upper Parts Of Wall Except Front Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Left Side Front Corner</i>								
Masonry: Granite	2%			LIFE	**	5	\$100	
Masonry: Limestone	10%	0-2	\$20,300	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Limestone</i>								
Metal Sect. OHD	8%	Now	\$1,200	2040	**	5	\$1,100	
<i>Other Observation, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Base Of Ohd Frame</i>								
<i>Explanation : Frame Is Deteriorated/rusted At Base.</i>								
Windows								
Aluminum	85%			2026	\$10,900	5	\$300	
Steel	15%	0-2	\$2,400	2052	**	5	\$300	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Lintels At 1st, 2nd And 3rd Floor Rear Windows</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$1,500	LIFE	**	5	\$300	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Cornice</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Cornice</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	75%	0-2	\$3,400	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Metal Cornice	15%			2055	**	10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Parapet</i>								
<i>Explanation : Metal Coping</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. 227**  
**Asset # : 13119**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Built-Up (BUR)	60%	Now	\$93,300	2037	**			1
<i>Blisters, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Front Portion Of Roof</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Entire Built-Up Roof</i>								
Modified Bitumen	40%			2027	\$62,200	10	\$4,500	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$40,700	LIFE	**	5	\$14,000	
<i>Other Observation, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Structurally Insufficient; Major Rusting At Temporary Support Column Bases In Cellar</i>								
Ceramic Tile	10%			2036	**	5	\$1,300	
Vinyl Tile	15%			2035	**	3	\$1,000	
Wood	25%	2-4	\$21,500	2042	**	5	\$3,000	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Stairwell, Third Floor Lounge</i>								
Interior Walls								
Ceramic Tile	30%	4+	\$3,200	2030	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus And Stairwell</i>								
Masonry: Brick	20%			LIFE	**			
<i>Paint Peeling, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Cellar</i>								
Plaster	20%	Now	\$1,200	LIFE	**	5	\$200	
<i>Spalling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Hallway</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Hallway</i>								
SGFT/Glazed Masonry	15%			LIFE	**			
Wood	15%			LIFE	**	5	\$2,200	

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%			2032	**	5	\$700	
Embossed Metal	20%	0-2	\$9,700	LIFE	**	5	\$1,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Concrete	25%	Now	\$66,400	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Cellar At Areaway Hatch</i>								
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Structurally Insufficient</i>								
Exposed Concrete	5%	Now	\$2,200	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 1st Floor Ceiling At Storehouse Side</i>								
Plaster	45%	Now	\$32,500	LIFE	**	5	\$3,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor Lounge And 2nd Floor Bunkroom</i>								
<b>Site Enclosure</b>								
<b>Free Standing Walls</b>								
Masonry: Brick	100%	Now	\$10,000	2037	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Back Yard</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Back Yard</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Back Yard</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%	4+	\$1,800	2032	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Apron At Overhead Door Entrance</i>								
<i>Explanation : Minor Spall</i>								

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

Under 600 Volts

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%	Now	\$4,900	2057	**	5		
<i>Enclosure Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Severe Water Damage</i>								
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Molded Case Bkrs	50%	Now	\$7,900	2052	**	5	\$100	
<i>Enclosure Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Severe Water Damage</i>								
Molded Case Bkrs	50%			2035	**	5	\$100	
Wiring								
Rubber	50%			2035	**	1		
Thermoplastic	50%			2047	**	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,700	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Incandescent	5%			2022	\$2,800	2		
LED	95%			2032	**			
Egress Lighting								
Emergency, Service	50%			2022	\$2,100	1		
Exit, Service	50%			2022	\$500	1		
Exterior Lighting								
HID	50%			2032	**	10		
Incandescent	50%			2022	\$13,800	2		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	50%			2047	**	1		
Natural Gas	50%	4+	\$200	2037	**	1		
<i>Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Steam Boiler	100%			2025	\$52,200	1	\$8,400	
Distribution								
Central Plant Steam Piping/Pmp	100%	4+	\$13,700	2027	\$136,500	4	\$400	
			<i>Corroded, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Basement</i>					
Terminal Devices								
Convactor/Radiator	90%			2025	\$38,900	1	\$2,500	
Unit Heater - Steam	10%	Now	\$2,900	2037	**	4	\$100	
			<i>Abandoned in Place, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2022	\$16,800	1		
Ventilation								
Exhaust Fans								
Interior	50%			2022	\$14,400	2	\$100	
Roof	50%			2027	\$6,700	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
			<i>No Water Meter, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
Water Heater								
Gas Fired	100%			2025	\$4,900	2	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 - 75 Gallon Unit</i>					
Sanitary Piping								
Cast Iron	100%	4+	\$11,800	LIFE	**	1		
			<i>Corroded, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
Storm Drain Piping								
Cast Iron	100%	2-4	\$3,400	LIFE	**	1		
			<i>Corroded, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
Sump Pump(s)								
Submersible	100%			2020	\$300	4	\$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2025	\$2,700	1-3	\$400	
No Component	90%							

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

Print Date : 25-Oct-2018      **FIRE DEPARTMENT - FY 2019**

<b>Asset Name</b>	: ENGINE CO. 228		
<b>Address</b>	: 436 39th STREET		
<b>Borough</b>	: BROOKLYN	<b>Agency's Number</b>	: N/A
<b>Program / Asset #</b>	: FIRSECO.228 / 13120	<b>Yr Built/Renovated</b>	: 1897 /
<b>Area Sq Ft</b>	: 3,519	<b>Project Type</b>	: FIRE DEPARTMENT
<b>Date of Survey</b>	: 22-Apr-2016	<b>Landmark Status</b>	: NONE
<b>Areas Surveyed</b>	: Basement, Roof, Floors 1,2		
<b>Block</b>	: 709	<b>Lot</b>	: 19
		<b>BIN</b>	: 3010534

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Electrical		\$27,500
<b>Total</b>		<b>\$27,500</b>
Importance Code B		\$27,500
<b>Total</b>		<b>\$27,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$102,800		\$4,800	\$1,300
Interior Architecture	\$23,800	\$600		
Electrical	\$18,500		\$26,500	
Mechanical	\$2,200	\$300	\$4,000	\$400
Site Pavements	\$1,500			
<b>Total</b>	<b>\$148,800</b>	<b>\$900</b>	<b>\$35,400</b>	<b>\$1,700</b>
Importance Code A	\$107,900	\$200	\$5,000	\$1,400
Importance Code B	\$22,200	\$400	\$30,400	\$200
Importance Code C	\$18,700	\$400		
<b>Total</b>	<b>\$148,800</b>	<b>\$900</b>	<b>\$35,400</b>	<b>\$1,700</b>



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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	0-2	\$21,100	LIFE	**	5	\$13,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East, South And West Facades Along Top</i>								
Masonry: Sandstone	10%	0-2	\$15,000	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : By Ohd At Front Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Front Facade</i>								
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Top Of Front Facade</i>								
Wood Overhead Doors	10%			2032	**	5	\$8,600	
Windows								
Metal Clad	75%			2043	**	5	\$2,500	
Metal/Detention Type	25%	Now	\$27,300	2057	**	5	\$200	
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Clerestory Windows At Rear Of Building</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Clerestory Windows At Rear Of Building</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Clerestory Windows At Rear Of Building</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Clerestory Windows At Rear Of Building</i>								
Parapets								
Masonry: Brick	40%			LIFE	**	5	\$500	
Masonry: Sandstone	15%			LIFE	**	5	\$200	
Metal Panel	25%			2037	**	5	\$1,100	
Slate	20%	Now	\$26,600	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Main Roof</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout Main Roof</i>								

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	20%			2036	**	10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Back Yard</i>								
<i>Explanation : Shed Roof</i>								
Modified Bitumen	75%	Now	\$12,800	2032	**			1
<i>Drains Clogged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Upper And Lower Roof</i>								
<i>Ponding, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Upper And Lower Roof</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Lower Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Lower Roof</i>								
Skylight, Metal/Glass	5%			2037	**	10	\$1,000	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 25%</i>								
<i>Location : Upper Roof</i>								
Interior								
Floors								
Cast in Place Concrete	60%	0-2	\$1,900	LIFE	**	5	\$7,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor, Weight Room In Cellar</i>								
Ceramic Tile	15%	4+	\$900	2036	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Kitchen Under Sink Area</i>								
Vinyl Tile	25%			2027		3	\$600	
Interior Walls								
Ceramic Tile	10%			2036	**	5	\$800	
Gypsum Board	10%			LIFE	**	5	\$500	
Masonry: Brick	30%	0-2	\$18,700	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : In Cellar Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : In Cellar At Front Of Building</i>								
Plaster	50%			LIFE	**	5	\$1,200	

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
Embossed Metal	35%	Now	\$1,900	LIFE	**	5	\$900	
<i>Deformed/Dented, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Kitchen Area Over Sink</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Kitchen Area Over Sink</i>								
Exposed Concrete	30%			LIFE	**	5	\$300	
Metal Panel	5%			LIFE	**	5	\$400	
Plaster	30%	Now	\$500	LIFE	**	5	\$1,100	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2037	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%	Now	\$1,500	2032	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : By Street Curb And Hatchway Area</i>								
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%	Now	\$4,900	2057	**	5		
<i>Enclosure Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
<b>Raceway</b>								
Conduit	100%			2027	\$32,000	1		
<b>Panelboards</b>								
Fused Disc Sw	10%			2026	\$3,900	5		
Molded Case Bkrs	20%	Now	\$7,900	2052	**	5		
<i>Enclosure Corroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement, Main Distribution Panel. Panel Is Not Fastened Properly To The Wall</i>								
Molded Case Bkrs	70%			2026	\$27,500	5	\$100	
<b>Wiring</b>								
Braided Cloth	20%	Now	\$5,700	2052	**	1		
<i>Insulation Damaged, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Thermoplastic	80%			2027	\$22,700	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. 228**  
**Asset # : 13120**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2025	\$14,700	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	100%			2022	\$9,700	10	\$3,200	
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout Building</i>					
Exterior Lighting								
HID	100%			2022	\$13,600	10		
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2032	**	1	\$1,700	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 Unit</i>					
Distribution								
Hot Wtr Piping/Pump	100%			2035	**	4	\$200	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$1,100	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Split Unit	5%			2027	\$3,600			
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Kitchen</i>					
Window/Wall Unit	50%			2022	\$3,500	1		
Window/Wall Unit	15%	Now	\$1,100	2027	\$1,100	1		
			<i>Broken, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	15%			LIFE	**	2-5	\$300	
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.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
Exhaust Fans								
	Interior	15%	4+	\$500	2027	\$1,800	2	
<i>Noisy/Vibrating, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Rig Floor</i>								
	Wall Unit	10%			2027	\$100	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Kitchen Hood</i>								
	No Component	75%						
Plumbing								
H/C Water Piping								
	Brass/Copper	98%			2037	**	1	
	Galvanized Steel	2%	Now	\$100	2040	**	1	
<i>Broken, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Mens Bathroom</i>								
Water Heater								
	Gas Fired	100%			2025	\$2,100	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%	2-4	\$100	2022	\$100	4	\$100
<i>Malfunctioning, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Wet	10%			2025	\$2,700	1-3	\$400
	No Component	90%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 19-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 2722 **Lot** : 28 **BIN** : 3067898

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$201,100
Interior Architecture	\$226,900	
Electrical		\$15,700
<b>Total</b>	<b>\$226,900</b>	<b>\$216,800</b>
Importance Code A		\$201,100
Importance Code B	\$226,900	\$15,700
<b>Total</b>	<b>\$226,900</b>	<b>\$216,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$7,500			
Interior Architecture	\$8,700	\$300		\$800
Electrical	\$4,800	\$100	\$17,500	
Mechanical	\$27,300	\$1,300	\$24,000	\$1,100
<b>Total</b>	<b>\$48,300</b>	<b>\$1,700</b>	<b>\$41,500</b>	<b>\$1,900</b>
Importance Code A	\$27,700	\$800	\$800	\$800
Importance Code B	\$15,300	\$900	\$40,700	\$1,100
Importance Code C	\$5,300			
<b>Total</b>	<b>\$48,300</b>	<b>\$1,700</b>	<b>\$41,500</b>	<b>\$1,900</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**  
**ENGINE CO. 229/LADDER 146**  
**Asset # : 13121**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
<b>Exterior</b>								
Exterior Walls								
Masonry: Brick	85%			LIFE	**	5	\$19,700	
Masonry: Granite	2%			LIFE	**	5	\$300	
Masonry: Limestone	5%			LIFE	**	5	\$900	
Wood Overhead Doors	8%			2025	\$59,900	5	\$9,300	
Windows								
Aluminum	100%			2035	**	5		
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$1,600	
Masonry: Brick	80%			LIFE	**	5	\$800	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Parapet Wall</i>								
<b>Roof</b>								
Modified Bitumen	100%	0-2	\$2,800	2027	\$141,200			
<i>Blisters, Extent : Light, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : 1st Floor Roof</i>								
<b>Interior</b>								
Floors								
Cast in Place Concrete	40%	Now	\$35,300	LIFE	**	5	\$12,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Temporary Columns In Cellar</i>								
Ceramic Tile	5%			2036	**	5	\$700	
Terrazzo	5%			LIFE	**	5	\$500	
Vinyl Tile	30%	0-2	\$36,000	2037	**	3	\$1,600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 35%</i>								
<i>Location : 2nd And 3rd Floor Throughout And In Cellar</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : 2nd And 3rd Floor Throughout</i>								
Vinyl Tile	15%			2032	**	3	\$1,000	
Wood	5%			2055	**	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. 229/LADDER 146**  
**Asset # : 13121**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	30%			2030	**	5	\$4,500	
Masonry: Brick	20%			LIFE	**			
Plaster	50%	0-2	\$3,100	LIFE	**	5	\$2,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Locker Room, 3rd Floor, Roof Scuttle, Stairwell</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stairwell At Second Floor</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<hr/>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2040	**	5	\$1,600	
Exposed Concrete	50%	Now	\$155,600	LIFE	**	5	\$1,200	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Steel Beams In Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Temporary Supports In Cellar</i>								
Plaster	40%	4+	\$1,700	LIFE	**	5	\$3,900	
<i>Water Penetration, Extent : Light, Area Affected : 1%</i>								
<i>Location : Stairwell At Second Floor</i>								
<hr/>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2037	**			
<hr/>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2032	**			
<hr/>								
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes Main Electrical Service Switch</i>								
<hr/>								
<b>Raceway</b>								
Conduit	80%			2027	\$25,600	1		
Conduit	20%			2037	**	1		
<hr/>								
<b>Panelboards</b>								
Molded Case Bkrs	40%			2026	\$15,700	5	\$100	
Molded Case Bkrs	60%			2035	**	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. 229/LADDER 146**  
**Asset # : 13121**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Motor Controllers For Two Overhead Doors</i>					
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Ground Clamps On Line And Load Side Of Water Meter Are Corroded</i>					
<b>Lighting</b>								
Interior Lighting								
Fluorescent	5%	2-4	\$1,100	2037	**			
			<i>Damaged Fixtures, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Covers Missing From Light Fixtures Throughout Firehouse</i>					
			<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement And 3rd Floor</i>					
Fluorescent	40%			2022	\$9,100	10	\$3,000	
			<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Basement And 3rd Floor</i>					
Fluorescent	45%			2027	\$10,200	10	\$3,400	
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st And 2nd Floors</i>					
Incandescent	10%			2022	\$5,400	2		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st And 3rd Floor Lounges</i>					
			<i>Explanation : Incandescent Lamps In Use</i>					
Exterior Lighting								
HID	50%	4+	\$3,200	2032	**			
			<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Building Exterior Facade</i>					
Incandescent	50%			2027	\$13,400	2		
<b>Alarm</b>								
Fire/Smoke Detection								
No Component	95%							
Generic, Digital	5%	Now	\$400	2037	**	1-3	\$200	
			<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Various Locations Around Building</i>					
			<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Various Locations Around Building</i>					

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

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Conversion Equipment								
Steam Boiler	100%	4+	\$20,300	2047	**	1	\$7,300	
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$600	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$2,600	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2025		1	\$16,300	
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	\$1,400	LIFE	**	2-5	\$4,600	
<i>Abandoned in Place, Extent : Light, Area Affected : 40%</i>								
<i>Location : Apparatus Floor</i>								
Exhaust Fans								
Interior	80%			2022		2	\$22,300	\$200
Wall Unit	20%			2027		2	\$600	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Hood</i>								
<i>Explanation : Hood</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	20%			2047	**	1		
Galvanized Steel	80%			2040	**	1		
Water Heater								
Gas Fired	70%	0-2	\$3,300	2027	\$3,300	2	\$100	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : 1 Of 2 Units Obsolete</i>								
Gas Fired	30%			2025		2	\$1,400	
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. 229/LADDER 146**  
**Asset # : 13121**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Storm Drain Piping							
	Cast Iron	80%			LIFE	**	1	
	Cast Iron	20%	4+	\$1,600	LIFE	**	1	
	<i>Corroded, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	Sump Pump(s)							
	Submersible	100%			2020	\$300	4	\$300
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2027	\$100	1	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Cellar</i>							
	<i>Explanation : Boiler Feed</i>							
	Fixtures							
	Generic	100%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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-Apr-2016 **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 1030 **Lot** : 23 **BIN** : 1024915

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$763,600	
Electrical	\$63,400	
<b>Total</b>	<b>\$827,000</b>	
Importance Code A	\$763,600	
Importance Code B	\$63,400	
<b>Total</b>	<b>\$827,000</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$51,900		\$7,600	
Interior Architecture	\$67,200			\$7,300
Electrical	\$11,300	\$300	\$28,000	\$400
Mechanical	\$3,500	\$700	\$14,300	\$900
<b>Total</b>	<b>\$133,900</b>	<b>\$1,000</b>	<b>\$49,900</b>	<b>\$8,600</b>
Importance Code A	\$55,100	\$500	\$8,100	\$500
Importance Code B	\$45,900	\$500	\$41,800	\$8,100
Importance Code C	\$32,800			
<b>Total</b>	<b>\$133,900</b>	<b>\$1,000</b>	<b>\$49,900</b>	<b>\$8,600</b>



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. 23**  
**Asset # : 13017**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$230,400	LIFE	**	5	\$22,900	
<i>Sidewalk Shed in Use, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Front Wall - Could Not Be Surveyed</i>								
Masonry: Limestone	15%	2-4	\$308,700	LIFE	**	5	\$3,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Wall</i>								
Wood Overhead Doors	10%			2032	**	5	\$15,200	
Windows								
Aluminum	50%	Now	\$26,500	2052	**	5	\$300	
<i>Air Infiltration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Windows Missing Gaskets</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Wood	50%	Now	\$1,800	2043	**	5	\$2,800	
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 3rd Floor Front Facade</i>								
Parapets								
Masonry: Limestone	20%	Now	\$23,600	LIFE	**	5	\$500	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Front Wall Is Temporarily Stabilized With Plywood/ Straps</i>								
Slate	80%	Now	\$127,000	LIFE	**	5	\$1,600	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Caulk Joints Failing Throughout</i>								
<i>Miss/Damaged Copings, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Copings Are Damaged/ Not Level</i>								
Roof								
Built-Up (BUR)	100%	0-2	\$97,600	2037	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roofing Covered For Adjacent Property Construction</i>								
<i>Explanation : Roof Covered With Wood Planks</i>								
Interior								
Floors								
Carpet	5%			2023	\$6,700	3	\$900	
Cast in Place Concrete	40%			LIFE	**	5	\$8,200	
Ceramic Tile	5%			2030	**	5	\$500	
Panel/Paver: Cer/Brk	5%			2035	**	5	\$1,100	
Quarry Tile	10%	0-2	\$3,000	2040	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	35%	0-2	\$12,500	2032	**	3	\$1,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : 2nd And 3rd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 23**  
**Asset # : 13017**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	10%			2030	**	5	\$1,300	
Concrete Masonry Unit	10%			LIFE	**	5	\$500	
Gypsum Board	5%			LIFE	**	5	\$400	
Masonry: Brick	25%	0-2	\$28,100	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	35%	0-2	\$4,100	LIFE	**	5	\$1,400	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 3rd Floor Stair</i>								
SGFT/Glazed Masonry	15%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	35%	0-2	\$17,800	2040	**	5	\$1,700	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 3rd Floor Locker Room</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor Locker Room</i>								
Embossed Metal	25%			LIFE	**	5	\$1,100	
Exposed Concrete	25%			LIFE	**	5	\$400	
Exposed Struc: Steel	5%			LIFE	**			
Plaster	10%			LIFE	**	5	\$600	
<i>Paint Peeling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 3rd Floor Stair</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2040	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2027	\$5,400	5		
<b>Raceway</b>								
Conduit	100%	Now	\$700	2027	\$34,900	1		
<i>Covers Missing, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor Light Switches And Junction Boxes</i>								
<b>Panelboards</b>								
Molded Case Bkrs	100%			2035	**	5	\$200	
<b>Wiring</b>								
Braided Cloth	30%	0-2	\$9,300	2052	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Thermoplastic	70%			2037	**	1		

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2032	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Incandescent	5%			2022	\$2,200	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						
		<i>Explanation : Office Area</i>						
LED	95%			2032	**			
Egress Lighting								
Emergency, Battery	50%			2027	\$4,600	10	\$700	
Exit, Service	50%			2027	\$400	1		
Exterior Lighting								
HID	95%			2022	\$24,400	10		
Incandescent	5%			2022	\$1,100	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Front Facade</i>						
		<i>Explanation : Flood Lights</i>						
Alarm								
Fire/Smoke Detection								
No Component	10%							
Generic, Analog	90%	Now	\$1,300	2022	\$63,400	1-3	\$3,100	
		<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	80%	Now	\$3,300	2040	**	1	\$4,400	
		<i>Corroded, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Boilers</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units</i>						
No Component	20%							

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

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Central Plant Steam Piping/Pmp	100%			2047	**	4	\$300	
Terminal Devices								
Convactor/Radiator	90%			2032	**	1	\$1,800	
Unit Heater - Steam	10%			2032	**	4	\$100	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Apparatus Floor</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2022		1	\$13,300	
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$700	
No Component	80%							
Exhaust Fans								
Interior	100%			2035	**	2	\$200	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2044	**	1		
Water Heater								
Gas Fired	100%			2026		2	\$3,900	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1-75 Gallon</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%	0-2		2022		4	\$200	\$100
<i>Damaged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	5%			2025		1-3	\$1,500	\$200
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Over Kitchen Hood</i>								
No Component	95%							

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 230  
**Address** : 701 PARK AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.230 / 13122 **Yr Built/Renovated** : 1949 /  
**Area Sq Ft** : 4,500 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 22-Mar-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 1730 **Lot** : 49 **BIN** : 3048373

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$83,500
Interior Architecture	\$38,800	
Electrical	\$49,900	\$31,500
<b>Total</b>	<b>\$88,700</b>	<b>\$115,000</b>
Importance Code A		\$83,500
Importance Code B	\$88,700	\$31,500
<b>Total</b>	<b>\$88,700</b>	<b>\$115,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$39,200			
Interior Architecture	\$16,100	\$700		\$200
Electrical	\$5,900		\$5,800	
Mechanical	\$3,500	\$700	\$7,500	\$600
<b>Total</b>	<b>\$64,700</b>	<b>\$1,500</b>	<b>\$13,300</b>	<b>\$800</b>
Importance Code A	\$44,500	\$400	\$400	\$400
Importance Code B	\$10,000	\$500	\$12,900	\$400
Importance Code C	\$10,200	\$600		
<b>Total</b>	<b>\$64,700</b>	<b>\$1,500</b>	<b>\$13,300</b>	<b>\$800</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 230**  
**Asset # : 13122**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%	Now	\$22,100	LIFE	**	5	\$14,400	
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor Exercise Room</i>								
Wood Overhead Doors	10%	4+	\$5,200	2032	**	5	\$4,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	Now	\$600	2043	**	5	\$400	
<i>Weather Strip Missing, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Windows With Air Conditioning Units</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$400	
Masonry: Brick	90%			LIFE	**	5	\$500	
Roof								
Built-Up (BUR)	95%	4+	\$1,700	2027			\$83,500	
<i>Alligatoring, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%	Now	\$9,600	2037	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Metal Counter Flashing Located Over Roof Curb</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$38,800	LIFE	**	5	\$8,000	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	5%			2036	**	5	\$300	
Granite Panels	5%			LIFE	**	5	\$200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Terrazzo	5%			LIFE	**	5	\$200	
Vinyl Tile	25%	Now	\$4,000	2027		3	\$600	
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 230**  
**Asset # : 13122**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	30%	Now	\$4,500	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2036	**	5	\$1,200	
Plaster	30%	Now	\$5,700	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
SGFT/Glazed Masonry	30%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	15%	Now	\$500	2032	**	5	\$600	
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Locker Room</i>								
Exposed Concrete	60%			LIFE	**	5	\$800	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus And Basement</i>								
Plaster	25%	Now	\$1,400	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	100%	Now	\$4,900	2057	**	5	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : The Service Equipment Was Severely Damaged From Water Leaking On Components.</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%	Now	\$49,900	2057	**	5	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Severely Damaged From Water Leak.</i>								
<b>Raceway</b>								
Conduit	80%			2027	\$25,600	1		
Conduit	20%			2047	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	80%			2026	\$31,500	5	\$100	
Molded Case Bkrs	20%			2035	**	5		
<b>Wiring</b>								
Thermoplastic	80%			2027	\$22,700	1		
Thermoplastic	20%			2037	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 230**  
**Asset # : 13122**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2025	\$14,700	5		
Ground								
Grounding Devices								
Generic	100%	Now	\$1,000	LIFE	**	5	\$100	
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Ground Wire Is In Poor Condition And Connections Are Severely Corroded.</i>						
Lighting								
Interior Lighting								
Fluorescent	30%			2027	\$3,700	10	\$1,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : T-8 Lamps</i>						
Incandescent	5%			2022	\$1,500	2		
LED	65%			2035	**			
Exterior Lighting								
HID	75%			2032	**	10		
HID	25%			2022	\$4,300	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
Conversion Equipment								
Steam Boiler	100%			2032	**	1	\$4,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$1,500	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Split Unit	15%			2027	\$13,800			
Window/Wall Unit	45%			2022	\$4,000	1		
No Component	40%							
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2	\$600	
No Component	90%							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 230**  
**Asset # : 13122**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	10%			LIFE	**	2-5	\$300
	No Component	90%						
<b>Exhaust Fans</b>								
	Interior	20%			2032	**	2	
	Roof	10%			2027	\$700	2	
	No Component	70%						
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%			2037	**	1	
<b>Water Heater</b>								
	Gas Fired	100%			2022	\$2,600	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 75 Gallon Units</i>							
<b>Sanitary Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Storm Drain Piping</b>								
	Cast Iron	100%	Now	\$2,700	LIFE	**	1	
	<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : Water Backs Up In Basement When It Rains</i>							
<b>Sump Pump(s)</b>								
	Submersible	100%			2020	\$100	4	\$100
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
<b>Chemical System</b>								
	Wet	10%			2025	\$2,700	1-3	\$400
	No Component	90%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 231/LADDER 120  
**Address** : 107 WATKINS STREET  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.231 / 13123 **Yr Built/Renovated** : 1905 / 2002  
**Area Sq Ft** : 9,700 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 08-Mar-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 3507 **Lot** : 5 **BIN** : 3000000

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$65,100	
Electrical		\$124,600
Mechanical		\$156,900
<b>Total</b>	<b>\$65,100</b>	<b>\$281,600</b>
Importance Code A	\$65,100	
Importance Code B		\$281,600
<b>Total</b>	<b>\$65,100</b>	<b>\$281,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$38,900		\$25,500	
Interior Architecture	\$39,200			\$2,300
Electrical	\$3,700	\$700	\$2,500	\$800
Mechanical	\$7,200	\$2,200	\$2,400	\$1,600
Site Enclosure	\$19,600			
Site Pavements	\$1,200			
<b>Total</b>	<b>\$109,800</b>	<b>\$2,900</b>	<b>\$30,400</b>	<b>\$4,700</b>
Importance Code A	\$39,900	\$1,000	\$26,500	\$1,000
Importance Code B	\$49,000	\$1,900	\$4,000	\$2,900
Importance Code C	\$21,000			\$900
<b>Total</b>	<b>\$109,800</b>	<b>\$2,900</b>	<b>\$30,400</b>	<b>\$4,700</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**  
**ENGINE CO. 231/LADDER 120**  
**Asset # : 13123**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$65,100	LIFE	**	5	\$21,200	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 5%</i>								
<i>Location : South Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : South Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Facade 2nd Floor</i>								
Masonry: Granite	5%			LIFE	**	5	\$2,000	
Masonry: Limestone	8%	Now	\$11,800	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Around Bay Doors</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	7%			2034	**	5	\$9,300	
Windows								
Aluminum	100%	Now	\$14,100	2045	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor</i>								
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$2,800	
Masonry: Brick	40%			LIFE	**	5-10	\$2,600	
Metal: Cage/Fence	10%			2042	**	5-10	\$700	
Stucco Cement	40%			2034	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout Parapet</i>								
Roof								
Modified Bitumen	40%	Now	\$2,700	2034	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Above 2nd Floor</i>								
Roll Roofing	60%			2022		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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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	35%	Now	\$2,300	LIFE	**	5	\$9,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Into Basement</i>								
Ceramic Tile	10%			2038	**	5	\$1,200	
Sheet Vinyl/Rubber	5%			2034	**	5	\$900	
Vinyl Tile	50%	Now	\$10,800	2034	**	3	\$2,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 3rd Floor</i>								
Interior Walls								
Ceramic Tile	10%			2038	**	5	\$1,800	
Concrete Masonry Unit	10%			LIFE	**	5	\$1,500	
Gypsum Board	10%			LIFE	**	5-10	\$3,100	
<i>Repairs in Progress, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Masonry: Brick	10%	Now	\$3,600	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Plaster	35%	Now	\$2,600	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
SGFT/Glazed Masonry	20%	0-2	\$7,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Truck Bay</i>								
Wood	5%			LIFE	**	5	\$7,300	

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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**

<b>Architecture</b>		<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>		
<b>Interior</b>									
<b>Ceilings</b>									
AcousTileSusp.Lay-In	10%	Now	\$1,000	2042	**	5	\$600		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Basement</i>									
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Kitchen</i>									
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Basement, Kitchen</i>									
Embossed Metal	80%			LIFE	**	5	\$9,000		
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>									
<i>Location : 1st And 2nd Floor</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : 2nd Floor</i>									
Exposed Concrete	10%	Now	\$800	LIFE	**	5	\$200		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Basement</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Basement</i>									
<b>Site Enclosure</b>									
<b>Fence/Gates</b>									
Chain Link	100%			2049	**				
<b>Retaining Walls</b>									
Masonry: Brick	100%	Now	\$19,600	2039	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
<b>Site Pavements</b>									
<b>Public Sidewalk</b>									
Cast in Place Concrete	100%			2042	**				
<b>On-Site Walkways</b>									
Cast in Place Concrete	100%	4+	\$1,200	2042	**				
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Rear Yard</i>									
<b>Parking/Driveway</b>									
Cast in Place Concrete	100%			2042	**				

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

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**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2029	\$4,900	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement Electrical Room</i>						
		<i>Explanation : One 200 Ampere Main Disconnect Switch</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2029	\$49,900	5		
Raceway								
Conduit	100%			2029	\$32,000	1		
Panelboards								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	95%			2028	\$37,400	5	\$200	
Wiring								
Thermoplastic	100%			2029	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5	\$100	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2034	**	1	\$3,000	
Generators								
Diesel	100%			2032	**	1	\$3,800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room Outside</i>						
		<i>Explanation : One 60 Kilowatts/ 75 Kilo-volt-ampere, 208V, 3 Phase</i>						
Batteries								
Lead/Acid	100%			2022	\$1,500	5	\$400	
Fuel Storage								
Day Tank	30%			2037	**	5	\$500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room Outside</i>						
		<i>Explanation : One 125 Gallons</i>						
Main Tank	70%			2044	**	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 550 Gallons</i>						
<b>Lighting</b>								
Interior Lighting								
Fluorescent	30%			2024	\$8,100	10	\$2,700	
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement, 3rd Floor Locker Room And Offices</i>						
Fluorescent	68%			2034	**	10	\$6,100	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Incandescent	2%			2024	\$1,300	2		

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

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

## Lighting

Egress Lighting								
Emergency, Service	20%			2024	\$1,000	1		
Emergency, Service	40%			2034	**	1		
No Component	40%							
Exterior Lighting								
HID	100%			2024	\$37,400	10		

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

## Heating

Energy Source								
Natural Gas	100%			2049	**	1		
								<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>
								<i>Location : Total House</i>
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$9,600	
Distribution								
Central Plant Steam Piping/Pmp	100%			2029	\$156,900	4	\$700	
Terminal Devices								
Convactor/Radiator	90%	Now	\$2,200	2034	**	1	\$2,500	
								<i>Leak Evident, Extent : Severe, Area Affected : 100%</i>
								<i>Location : Basement</i>
Unit Heater - Steam	10%			2029	\$3,300	4	\$100	

## Air Conditioning

Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	10%			2029	\$7,500	2	\$100	
								<i>Other Observation, Extent : Light, Area Affected : 100%</i>
								<i>Location : Roof</i>
								<i>Explanation : Split Unit Serves Kitchen And Basement</i>
Window/Wall Unit	80%			2024	\$15,500	1		
No Component	10%							
Heat Rejection								
Dry Cooler	10%			2034	**	2	\$700	
No Component	90%							

## Ventilation

Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,600	
Exhaust Fans								
Interior	100%			2029	\$33,000	2	\$300	

## Plumbing

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>			
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Plumbing</b>									
	H/C Water Piping Brass/Copper	100%			2039	* *	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
	Water Heater Gas Fired	100%			2027	\$5,700	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : 2 - 75 Gallon Units</i>									
	Sanitary Piping Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s) Submersible	100%			2020	\$300	4	\$300	
	Sewage Ejector(s) Not Accessible	100%							
	Backflow Preventer No Component Generic	95%			2034	* *	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : Serves Boiler Only</i>									
<b>Fixtures</b>									
	Generic	100%							
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Total House</i>									
<b>Fire Suppression</b>									
	Chemical System Generic	100%			2027	\$26,700	1-3	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Kitchen</i>									
<i>Explanation : Ansul System Serves Cooking Area</i>									

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 26-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,m,2  
**Block** : 1512 **Lot** : 1 **BIN** : 3040990

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$510,400	
Interior Architecture		\$77,900
Electrical	\$67,200	\$89,200
Mechanical		\$137,400
<b>Total</b>	<b>\$577,600</b>	<b>\$304,600</b>
Importance Code A	\$510,400	
Importance Code B	\$67,200	\$304,600
<b>Total</b>	<b>\$577,600</b>	<b>\$304,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$29,200		\$800	
Interior Architecture	\$63,200		\$700	\$1,100
Electrical	\$12,400	\$1,500	\$4,800	\$800
Mechanical	\$23,900	\$1,400	\$36,300	\$1,800
<b>Total</b>	<b>\$128,700</b>	<b>\$2,900</b>	<b>\$42,600</b>	<b>\$3,800</b>
Importance Code A	\$29,800	\$600	\$1,500	\$600
Importance Code B	\$90,900	\$2,300	\$41,100	\$3,200
Importance Code C	\$8,000			
<b>Total</b>	<b>\$128,700</b>	<b>\$2,900</b>	<b>\$42,600</b>	<b>\$3,800</b>



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. 233/LADDER CO. 176**  
**Asset # : 13124**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	45%	Now	\$165,300	LIFE	**	5	\$6,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Side Alley</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Entry Facade</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Above Overhead Doors - Main Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Street Facades And Side Lot Entrance</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North Facade @ 1st Floor Offices And Foundation Wall Below</i>								
Metal Panel	10%	Now	\$800	2037	**	5	\$4,100	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : House Watch At Main Facade</i>								
Metal Sect. OHD	10%			2040	**	5	\$6,800	
Pre-Cast Concrete	25%			LIFE	**	5	\$17,800	
Stucco Cement	5%			2040	**	5	\$2,700	
Window Wall	5%	Now	\$53,600	2057	**	5	\$2,000	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : House Watch - Main Entrance, 1st And 2nd Floor</i>								
Windows								
Aluminum	97%	Now	\$23,600	2052	**	5	\$300	
<i>Air Infiltration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
Metal Louvers	3%			2036	**	10	\$100	
Parapets								
Cast in Place Concrete	50%			LIFE	**	5	\$4,300	
Concrete Masonry Unit	25%			LIFE	**	5	\$200	
Metal Panel	20%			2037	**	5	\$600	
Metal Rail	5%			2032	**	5-10	\$700	

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 233/LADDER CO. 176**  
**Asset # : 13124**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	100%	Now	\$291,500	2037		**		
<i>Alligatoring, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Main And Lower Roofs</i>								
<i>Blisters, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Main And Lower Roofs</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Main And Lower Roofs</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Above Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Main And Lower Roofs</i>								
Interior								
Floors								
Cast in Place Concrete	40%	2-4	\$7,600	LIFE		**	5	\$15,700
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations In Apparatus Room</i>								
Ceramic Tile	5%			2030		**	5	\$900
Quarry Tile	5%			2032		**	5	\$1,300
Vinyl Tile	50%	Now	\$15,600	2027	\$77,900		3	\$3,400
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Sitting Area</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE		**		
Ceramic Tile	5%			2030		**	5	\$800
Concrete Masonry Unit	45%	4+	\$7,700	LIFE		**	5	\$2,700
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout</i>								
Gypsum Board	10%			LIFE		**	5	\$900
SGFT/Glazed Masonry	30%			LIFE		**		
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$22,200	2047		**	5	\$1,300
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Kitchen</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	35%			LIFE		**	5	\$1,000
Gypsum Board	50%	0-2	\$9,300	LIFE		**	5	\$11,200
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Mezzanine Offices</i>								

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

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 233/LADDER CO. 176**  
**Asset # : 13124**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Molded Case Bkrs	100%			2027	\$4,900	5	\$300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Main Service Disconnect Rated At 500 Amperes</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	\$49,900	5	\$300	
Raceway								
Conduit	100%			2027	\$32,000	1		
Panelboards								
Molded Case Bkrs	100%			2026	\$39,400	5	\$300	
Wiring								
Thermoplastic	100%			2027	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,700	5	\$100	
<b>Ground</b>								
Grounding Devices								
Generic	100%	0-2	\$9,700	LIFE	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Boiler Room</i>						
		<i>Explanation : Corroded</i>						
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2025	\$4,900	1	\$3,700	
Generators								
Diesel	100%			2023	\$67,200	1	\$4,700	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Emergency Generator Rated At 62 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$400	
Fuel Storage								
Day Tank	50%			2026	\$400	5	\$1,100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 50 Gallons Rated Capacity</i>						
Main Tank	50%			2030	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 275 Gallons Rated Capacity</i>						

**Lighting**

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 233/LADDER CO. 176**  
**Asset # : 13124**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	70%			2027	\$23,300	10	\$7,700	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	5%			2027	\$1,700	10	\$600	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
LED	25%			2035	* *			
<b>Egress Lighting</b>								
Emergency, Service	50%			2022	\$3,000	1		
Exit, Service	50%			2022	\$700	1		
<b>Exterior Lighting</b>								
HID	20%			2027	\$9,300	10		
No Component	80%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2047	* *	1		
Conversion Equipment Hot Water Boiler	100%			2044	* *	1	\$5,900	
Distribution Hot Wtr Piping/Pump	100%			2035	* *	4	\$600	
<b>Terminal Devices</b>								
Convactor/Radiator	10%			2032	* *	1	\$400	
Fan Coil Unit/Heat	80%	Now	\$13,700	2027	\$137,400	1	\$2,800	
<i>Malfunctioning, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 6 Of Them Have Mechanical Defects.</i>								
<i>Other Observation, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 15 Units.</i>								
Unit Heater - Steam	10%			2027	\$4,100	4	\$100	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2043	* *	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 233/LADDER CO. 176**

**Asset # : 13124**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
<b>Conversion Equipment</b>								
	Split Unit	15%			2032	**		
		<i>Other Observation, Extent : Light, Area Affected : 15%</i>						
		<i>Location : For Locker Room</i>						
		<i>Explanation : 1 Unit. R-410a.</i>						
	Window/Wall Unit	30%			2022	\$7,200	1	
	Window/Wall Unit	30%	0-2	\$7,200	2027	\$7,200	1	
		<i>On Extended Life, Extent : Severe, Area Affected : 30%</i>						
		<i>Location : Various</i>						
	No Component	25%						
<b>Terminal Devices</b>								
	Fan Coil - 2 Pipe	15%			2032	**	1	\$600
	No Component	85%						
<b>Heat Rejection</b>								
	Dry Cooler	15%			2032	**	2	\$1,300
	No Component	85%						
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	60%			LIFE	**	2-5	\$4,000
	No Component	40%						
<b>Exhaust Fans</b>								
	Roof	60%			2032	**	2	\$200
	No Component	40%						
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%			2037	**	1	
<b>Water Heater</b>								
	Gas Fired	100%			2025	\$7,000	2	\$200
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
<b>Sanitary Piping</b>								
	Cast Iron	100%	Now	\$1,700	LIFE	**	1	
		<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>						
		<i>Location : 1st Floor Sitting Area</i>						
<b>Storm Drain Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Sump Pump(s)</b>								
	Non-Submersible	100%			2027	\$1,700	4	\$300
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
<b>Sprinkler</b>								
	No Component	90%						
	Generic	10%			2037	**	1-2	\$300

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 233/LADDER CO. 176**  
**Asset # : 13124**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Chemical System							
	Generic	100%			2022	\$26,700	1-3	\$3,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : In Kitchen</i> <i>Explanation : 1 Unit</i>								

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 28-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 1384 **Lot** : 8 **BIN** : 3037055

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$323,000	
Interior Architecture	\$52,400	
Electrical	\$67,200	\$89,200
<b>Total</b>	<b>\$442,600</b>	<b>\$89,200</b>
Importance Code A	\$323,000	
Importance Code B	\$119,600	\$89,200
<b>Total</b>	<b>\$442,600</b>	<b>\$89,200</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$41,500		\$2,600	
Interior Architecture	\$40,600		\$1,700	\$800
Electrical	\$2,600	\$1,300	\$4,800	\$700
Mechanical	\$13,900	\$1,000	\$40,400	\$1,200
<b>Total</b>	<b>\$98,500</b>	<b>\$2,400</b>	<b>\$49,500</b>	<b>\$2,700</b>
Importance Code A	\$42,000	\$500	\$3,300	\$500
Importance Code B	\$55,800	\$1,800	\$46,300	\$2,100
Importance Code C	\$700			
<b>Total</b>	<b>\$98,500</b>	<b>\$2,400</b>	<b>\$49,500</b>	<b>\$2,700</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 234 LADDER 123/BATTALION 38**

**Asset # : 13125**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	90%	Now	\$323,000	LIFE	**	5	\$12,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : On Both Sides Of Overhead Door And West Facade</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Entry Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : All Facades</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Underside Of Soffits</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Duct Penetrations Along Side Elevation</i>								
Wood Overhead Doors	10%			2044	**	5	\$10,700	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entry Facade</i>								
Windows								
Aluminum	100%	Now	\$22,800	2052	**	5	\$300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%	0-2	\$3,100	LIFE	**	5	\$1,900	
<i>Repointing Failure, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main And Lower Roofs</i>								
Concrete Masonry Unit	60%	0-2	\$2,600	LIFE	**	5	\$1,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Metal Rail	15%			2032	**	5-10	\$4,300	
Stucco Cement	10%	Now	\$1,300	2040	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Interior Side Of Upper Parapet Wall</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Upper Roof</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 234 LADDER 123/BATTALION 38**  
**Asset # : 13125**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Roof</b>								
Modified Bitumen	85%	2-4	\$8,300	2035	**			
<i>Debris Present, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Upper Roof</i>								
<i>Ridging, Extent : Light, Area Affected : 15%</i>								
<i>Location : South West Corner</i>								
Single Ply Membrane	15%	Now	\$3,400	2027	\$34,300			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Roof - South And North Ends</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bunk Room</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	50%	Now	\$8,000	LIFE	**	5	\$16,500	
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	5%	Now	\$1,500	2030	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Bathrooms And Officers Quarters</i>								
Quarry Tile	5%			2032	**	5	\$1,100	
Vinyl Tile	40%	0-2	\$52,400	2037	**	3	\$2,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Second Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout 2nd Floor</i>								
<b>Interior Walls</b>								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%			2030	**	5	\$1,500	
Concrete Masonry Unit	15%			LIFE	**	5	\$900	
Gypsum Board	30%			LIFE	**	5	\$2,600	
SGFT/Glazed Masonry	35%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	15%			2032	**	5	\$2,300	
Exposed Concrete	20%			LIFE	**	5	\$500	
Gypsum Board	65%	Now	\$30,400	LIFE	**	5	\$12,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : 2nd Floor Office And Officer Bunk Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 234 LADDER 123/BATTALION 38**  
**Asset # : 13125**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
	Service Equipment							
	Molded Case Bkrs	100%			2027	\$4,900	5	\$300
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Main Service Disconnect Switch Rated At 300 Amperes.</i>					
	Switchgear / Switchboard							
	Molded Case Bkrs	100%			2027	\$49,900	5	\$300
	Raceway							
	Conduit	100%			2027	\$32,000	1	
	Panelboards							
	Molded Case Bkrs	100%			2026	\$39,400	5	\$300
	Wiring							
	Thermoplastic	100%			2027	\$28,300	1	
	Motor Controllers							
	Locally Mounted	100%			2025	\$14,700	5	\$100
<b>Ground</b>								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$200
<b>Stand-by Power</b>								
	Transfer Switches							
	Automatic	100%			2025	\$4,900	1	\$3,200
	Generators							
	Diesel	100%			2023	\$67,200	1	\$4,000
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Generator Room</i>					
			<i>Explanation : Emergency Generator Rated At 30 Kilowatts</i>					
	Batteries							
	Lead/Acid	100%			2020	\$1,500	5	\$400
	Fuel Storage							
	Day Tank	50%			2026	\$400	5	\$1,000
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 30 Gallon Rated Capacity</i>					
	Main Tank	50%			2030	**	5	\$200
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Underground</i>					
			<i>Explanation : 1000 Gallon Rated Capacity</i>					
<b>Lighting</b>								
	Interior Lighting							
	Fluorescent	40%			2032	**	10	\$3,800
			<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
	LED	60%			2035	**		
	Egress Lighting							
	Emergency, Service	100%			2027	\$5,200	1	

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 234 LADDER 123/BATTALION 38**  
**Asset # : 13125**

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

## Lighting

Exterior Lighting								
HID	20%			2027	\$8,000	10		
No Component	80%							

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

## Heating

Energy Source								
Electricity	35%			2037	**	1		
Natural Gas	65%			2047	**	1		

## Conversion Equipment

Furnace	30%			2035	**	1	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Roof Top Package Unit</i>								

Hot Water Boiler	65%			2040	**	1	\$3,300	
<i>Other Observation, Extent : Light, Area Affected : 65%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : 1 Unit</i>								

Radiant Heater	5%			2027	\$8,800	2	\$200	
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## Distribution

Hot Wtr Piping/Pump	65%			2035	**	4	\$300	
No Component	35%							

## Terminal Devices

Convactor/Radiator	40%			2032	**	1	\$1,300	
Unit Heater - Steam	25%	0-2	\$8,800	2037	**	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Aged Units, Serves Engine Bay</i>								

No Component	35%							
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## Air Conditioning

Energy Source								
Electricity	100%			2043	**	1		

## Conversion Equipment

Ext Pkg Unit - Heating/Cooling	30%			2035	**	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Roof Top Unit. R-410a</i>								

Window/Wall Unit	30%			2022	\$6,200	1		
No Component	40%							

## Ventilation

Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,700	
No Component	70%							

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. 234 LADDER 123/BATTALION 38**  
**Asset # : 13125**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
	Exhaust Fans							
	Roof	40%			2035	**	2	\$100
	Wall Unit	20%			2032	**	2	\$100
	No Component	40%						
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2037	**	1	
	Water Heater							
	Gas Fired	100%			2022	\$6,000	2	\$200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 Units.</i>				
	Sanitary Piping							
	Cast Iron	100%	Now	\$3,600	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>				
				<i>Location : 1st Floor</i>				
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2020	\$300	4	\$300
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Sprinkler							
	No Component	95%						
	Generic	5%			2027	\$4,800	1-2	\$200
				<i>Other Observation, Extent : Light, Area Affected : 5%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Limited Coverage</i>				
	Chemical System							
	Generic	100%			2022	\$26,700	1-3	\$3,700

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 235 / BATTALION 57  
**Address** : 206 MONROE STREET  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.235 / 13126 **Yr Built/Renovated** : 1895 /  
**Area Sq Ft** : 4,733 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 05-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,3  
**Block** : 1817 **Lot** : 48 **BIN** : 3051323

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$59,000	
<b>Total</b>	<b>\$59,000</b>	
Importance Code A	\$59,000	
<b>Total</b>	<b>\$59,000</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$15,300		\$6,800	
Interior Architecture	\$28,800		\$700	
Electrical	\$500	\$300	\$1,900	\$300
Mechanical	\$700	\$700	\$6,500	\$700
Site Pavements	\$3,700			
<b>Total</b>	<b>\$49,100</b>	<b>\$1,000</b>	<b>\$15,900</b>	<b>\$1,000</b>
Importance Code A	\$15,700	\$500	\$7,300	\$500
Importance Code B	\$14,900	\$500	\$8,600	\$500
Importance Code C	\$18,500			
<b>Total</b>	<b>\$49,100</b>	<b>\$1,000</b>	<b>\$15,900</b>	<b>\$1,000</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**  
**ENGINE CO. 235 / BATTALION 57**  
**Asset # : 13126**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$59,000	LIFE	**	5	\$19,200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%			LIFE	**	5	\$4,100	
Metal Panel	10%			2059	**	5-10	\$18,800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	10%			2042	**	5	\$13,700	
Windows								
Aluminum	100%			2045	**	5	\$700	
Parapets								
Masonry: Brick	90%	Now	\$9,900	LIFE	**	5	\$800	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	Now	\$3,000	LIFE	**	5	\$100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Coping</i>								
Roof								
Built-Up (BUR)	80%			2034	**	10	\$6,100	
Copper/Terne	15%			2057	**	10	\$2,900	
Skylight, Metal/Glass	5%			2049	**	10	\$1,300	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$13,000	
Ceramic Tile	5%	Now	\$400	2038	**	5	\$200	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Womens Toilet</i>								
Quarry Tile	5%			2042	**	5	\$600	
Vinyl Tile	50%			2037	**	3	\$1,400	
Interior Walls								
Ceramic Tile	5%	Now	\$500	2038	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	5%			LIFE	**	5	\$700	
Masonry: Brick	15%	0-2	\$5,300	LIFE	**			
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Fieldstone	10%			LIFE	**	10	\$700	
Plaster	60%	Now	\$4,400	LIFE	**	5	\$3,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood	5%			LIFE	**	5	\$7,100	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 235 / BATTALION 57**  
**Asset # : 13126**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%	Now	\$600	2042	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Embossed Metal	35%			LIFE	**	5	\$2,300	
Exposed Struc: Steel	25%			LIFE	**	10	\$3,700	
Plaster	35%	Now	\$1,700	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2059	**			
<b>Free Standing Walls</b>								
Masonry: Brick	100%			2049	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Asphalt	60%	2-4	\$3,700	2038	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Cast in Place Concrete	40%			2042	**			
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2049	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Service Area</i>								
<i>Explanation : The Service Equipment Consists Of One 400 Ampere Main Disconnect Switch.</i>								
<b>Raceway</b>								
Conduit	80%			2029	\$25,600	1		
Conduit	20%			2055	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2045	**	5	\$100	
<b>Wiring</b>								
Thermoplastic	80%			2049	**	1		
Thermoplastic	20%			2029	\$5,700	1		
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$100	
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
Automatic	100%			2034	**	1	\$1,500	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 235 / BATTALION 57**  
**Asset # : 13126**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
<b>Generators</b>								
Diesel	100%			2032	**	1	\$1,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : The 81 Kilovolt-ampere Generator Is Mounted On The Side Of The Building. It Is In Good Condition.</i>								
<b>Batteries</b>								
Lead/Acid	100%			2022	\$1,500	5	\$200	
<b>Fuel Storage</b>								
Main Tank	100%			2044	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 60 Gallon Unit</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	10%			2029	\$1,300	10	\$400	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Dining Area.</i>								
LED	90%			2037	**			
<b>Egress Lighting</b>								
Emergency, Service	50%			2029	\$1,200	1		
No Component	50%							
<b>Exterior Lighting</b>								
HID	100%			2029	\$18,200	10		
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	100%			2049	**	1		
<b>Conversion Equipment</b>								
Steam Boiler	100%			2042	**	1	\$4,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
<b>Distribution</b>								
Steam Piping/Pump	100%			2039	**			
<b>Terminal Devices</b>								
Convactor/Radiator	90%			2034	**	1	\$1,400	
Unit Heater - Steam	10%			2029	\$1,600	4	\$100	
<b>Air Conditioning</b>								
<b>Energy Source</b>								
Electricity	100%			2037	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 235 / BATTALION 57**  
**Asset # : 13126**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
Conversion Equipment								
	Split Unit	2%			2034	**		
	Window/Wall Unit	60%			2022	\$5,700	1	
	No Component	38%						
<b>Ventilation</b>								
Exhaust Fans								
	Roof	20%			2034	**	2	
	No Component	80%						
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	60%			2049	**	1	
	Galvanized Steel	40%			2034	**	1	
Water Heater								
	Gas Fired	100%			2027	\$2,800	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 75 Gallon Unit</i>							
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2022	\$200	4	\$200
Backflow Preventer								
	Generic	100%			2034	**	1	\$300
Fixtures								
	Generic	100%						
<b>Fire Suppression</b>								
Chemical System								
	Wet	2%			2027	\$500	1-3	\$100
	No Component	98%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 236  
**Address** : 998 LIBERTY AVENUE @ S. CONDUIT BLVD.  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.236 / 13127 **Yr Built/Renovated** : 1895 / 2010  
**Area Sq Ft** : 4,761 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 22-Mar-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 4194 **Lot** : 20 **BIN** : 3094289

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Electrical		\$89,200
<b>Total</b>		<b>\$89,200</b>
Importance Code B		\$89,200
<b>Total</b>		<b>\$89,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$36,200	\$2,600		
Interior Architecture	\$53,200	\$300		\$2,500
Electrical	\$9,700			\$100
Mechanical	\$4,000	\$1,300	\$1,000	\$900
Site Pavements	\$4,600			
<b>Total</b>	<b>\$107,800</b>	<b>\$4,200</b>	<b>\$1,100</b>	<b>\$3,500</b>
Importance Code A	\$36,700	\$3,100	\$500	\$500
Importance Code B	\$62,800	\$1,100	\$600	\$1,600
Importance Code C	\$8,300			\$1,400
<b>Total</b>	<b>\$107,800</b>	<b>\$4,200</b>	<b>\$1,100</b>	<b>\$3,500</b>



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. 236**  
**Asset # : 13127**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	80%			LIFE	**	5	\$38,000	
Masonry: Granite	3%			LIFE	**	5	\$1,100	
Masonry: Limestone	10%			LIFE	**	5	\$3,600	
Metal Coiling Doors	7%			2046	**	5	\$5,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i> <i>Location : Front Elevation</i>								
<b>Windows</b>								
Aluminum	100%			2045	**	5	\$1,200	
<b>Parapets</b>								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$5,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i> <i>Location : Roof</i>								
Masonry: Brick	90%			LIFE	**	5-10	\$12,000	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i> <i>Location : Roof</i>								
<b>Roof</b>								
Copper/Terne	5%			2057	**	10	\$700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i> <i>Location : Roof</i>								
Modified Bitumen	95%			2037	**	10	\$5,200	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	35%	0-2	\$2,900	LIFE	**	5	\$6,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i> <i>Location : Throughout</i>								
Ceramic Tile	15%			2038	**	5	\$1,200	
Quarry Tile	5%			2046	**	5	\$600	
Vinyl Tile	45%	Now	\$15,300	2034	**	3	\$1,300	
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i> <i>Location : 2nd Floor</i>								
<b>Interior Walls</b>								
Cast in Place Concrete	3%	0-2	\$1,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i> <i>Location : Throughout</i>								
Ceramic Tile	25%			2038	**	5	\$2,900	
Concrete Masonry Unit	2%			LIFE	**	5	\$200	
Gypsum Board	20%			LIFE	**	5-10	\$3,900	
Masonry: Brick	20%			LIFE	**	10	\$700	
Plaster	25%			LIFE	**	5-10	\$2,500	
SGFT/Glazed Masonry	5%	Now	\$2,300	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i> <i>Location : Throughout</i>								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 236**  
**Asset # : 13127**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%	0-2	\$2,600	2034	**	5	\$400	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Office</i>								
Embossed Metal	20%	4+	\$1,400	LIFE	**	5	\$700	
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	20%	0-2	\$16,800	LIFE	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Gypsum Board	10%	Now	\$2,400	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%			LIFE	**	5	\$1,000	
Plaster	35%			LIFE	**	5-10	\$4,700	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2049	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%	0-2	\$4,600	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Liberty Avenue</i>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2042	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2029	\$4,900	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>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2029	\$49,900	5	\$100	
<b>Raceway</b>								
Conduit	100%			2029	\$32,000	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2028	\$39,400	5	\$100	
<b>Wiring</b>								
Thermoplastic	100%			2029	\$28,300	1		

**Ground**

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 236**  
**Asset # : 13127**

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

## Ground

Grounding Devices  
Generic

100% 2-4 \$9,700 LIFE \* \* 5 \$100  
*Corroded, Extent : Moderate, Area Affected : 100%*  
*Location : Basement*

## Lighting

Interior Lighting  
Fluorescent

100% 2029 \$13,200 10 \$4,400  
*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%*  
*Location : Throughout The Building*

Egress Lighting

Exit, Service

50% 2029 \$300 1

Exit, Battery

50% 2029 \$900 10 \$200

Exterior Lighting

HID

30% 2029 \$5,500 10

No Component

70%

## Alarm

Security System

No Component

85%

Generic

15% 2037 \* \* 1 \$300

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

*Location : Front Of The Building*

*Explanation : CCTV Surveillance Cameras*

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

## Heating

Energy Source

Natural Gas

100% 2049 \* \* 1

Conversion Equipment

Steam Boiler

100% 2042 \* \* 1 \$4,700

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

*Location : Basement*

*Explanation : 1 Natural Gas Fired Steam Boiler*

Distribution

Steam Piping/Pump

100% 2029 \$20,100

Terminal Devices

Convactor/Radiator

100% 0-2 \$1,200 2034 \* \* 1 \$1,400

*Other Observation, Extent : Light, Area Affected : 10%*

*Location : 1st Floor Back Room*

*Explanation : There Is No Heating Device In The Back Room Since The Radiators Were Removed*

## Air Conditioning

Energy Source

Electricity

100% 2037 \* \* 1

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 236**  
**Asset # : 13127**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
Conversion Equipment								
	Split Unit	10%			2034	**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Unit, R-410a</i>								
	Window/Wall Unit	50%			2024	\$4,700	1	
	No Component	40%						
<b>Terminal Devices</b>								
	Fan Coil - 2 Pipe	10%			2034	**	1	\$200
	No Component	90%						
<b>Heat Rejection</b>								
	Air Cooled Condenser Unit	10%			2034	**	2	\$300
	No Component	90%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	10%			LIFE	**	2-5	\$400
	No Component	90%						
<b>Exhaust Fans</b>								
	Roof	10%			2029	\$800	2	
	Wall Unit	25%			2024	\$400	2	
	No Component	65%						
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%			2039	**	1	
<b>Water Heater</b>								
	Gas Fired	100%			2027	\$2,800	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
<b>Sanitary Piping</b>								
	Cast Iron	100%	0-2	\$1,700	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Operatic Floor</i>								
<b>Storm Drain Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Sump Pump(s)</b>								
	Submersible	100%	0-2	\$200	2024	\$200	4	\$100
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement, Defective Submersible Pump</i>								
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								

*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**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Chemical System							
	Generic	100%			2027	\$26,700	1-3	\$3,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Kitchen</i> <i>Explanation : 1 Set</i>								

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

Print Date : 25-Oct-2018 **FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 237  
**Address** : 43 MORGAN AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.237 / 13128 **Yr Built/Renovated** : 1894 /  
**Area Sq Ft** : 5,810 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 14-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Floors 1  
**Block** : 3102 **Lot** : 23 **BIN** : 3071494

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$22,000			
Electrical				
<b>Total</b>	<b>\$22,000</b>			
Importance Code A	\$22,000			
Importance Code B				
<b>Total</b>	<b>\$22,000</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**  
**ENGINE CO. 237**  
**Asset # : 13128**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
Exterior Walls								
Masonry: Brick	77%			LIFE	**	5	\$39,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Only Front Facade Was Accessible Due To The Active Construction Of The Interior</i>								
Masonry: Granite	3%			LIFE	**	5	\$1,100	
Masonry: Limestone	10%			LIFE	**	5	\$3,800	
Wood Overhead Doors	10%			2034	**	5	\$12,700	
Windows								
Not Accessible	100%							
Parapets								
Not Accessible	100%							
Roof								
Not Accessible	100%							
<b>Interior</b>								
Floors								
Under Construction	100%							
Interior Walls								
Under Construction	100%							
Ceilings								
Under Construction	100%							
<b>Site Enclosure</b>								
Fence/Gates								
Not Accessible	100%							
Free Standing Walls								
Not Accessible	100%							
<b>Site Pavements</b>								
Public Sidewalk								
Not Accessible	100%							
On-Site Walkways								
Not Accessible	100%							
Parking/Driveway								
Not Accessible	100%							

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Under Construction	100%							
Transformers								
Under Construction	100%							
Switchgear / Switchboard								
Under Construction	100%							

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 237**  
**Asset # : 13128**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Raceway								
Under Construction	100%							
Panelboards								
Under Construction	100%							
Wiring								
Under Construction	100%							
Motor Controllers								
Under Construction	100%							
Ground								
Grounding Devices								
Under Construction	100%							
Stand-by Power								
Transfer Switches								
Under Construction	100%							
Generators								
Under Construction	100%							
Batteries								
Under Construction	100%							
Fuel Storage								
Under Construction	100%							
Lighting								
Interior Lighting								
HID	10%			2037		**	10	
Under Construction	90%							
Egress Lighting								
Under Construction	100%							
Exterior Lighting								
Under Construction	100%							
Lightning Protection								
Arresters/Cabling								
Under Construction	100%							
Alarm								
Security System								
Under Construction	100%							
Fire/Smoke Detection								
Under Construction	100%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Under Construction	100%							
Conversion Equipment								
Under Construction	100%							

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 237**  
**Asset # : 13128**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
	Distribution							
	Under Construction	100%						
	Terminal Devices							
	Under Construction	100%						
Air Conditioning								
	Energy Source							
	Under Construction	100%						
	Conversion Equipment							
	No Component	40%						
	Under Construction	60%						
Ventilation								
	Exhaust Fans							
	No Component	80%						
	Under Construction	20%						
Plumbing								
	H/C Water Piping							
	Under Construction	30%						
	Under Construction	70%						
	Water Heater							
	Under Construction	100%						
	Sanitary Piping							
	Under Construction	100%						
	Storm Drain Piping							
	Under Construction	100%						
	Sump Pump(s)							
	Under Construction	100%						
	Pool Filter/Treatment							
	Under Construction	100%						
	Fixtures							
	Under Construction	100%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 22-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 2560 **Lot** : 50 **BIN** : 3064786

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$144,900	\$209,000
Electrical		\$89,200
<b>Total</b>	<b>\$144,900</b>	<b>\$298,200</b>
Importance Code A	\$144,900	\$209,000
Importance Code B		\$89,200
<b>Total</b>	<b>\$144,900</b>	<b>\$298,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$2,600		\$4,500	
Interior Architecture	\$61,500			\$400
Electrical	\$2,400	\$800	\$7,700	\$700
Mechanical	\$1,700	\$800	\$6,000	\$1,100
<b>Total</b>	<b>\$68,200</b>	<b>\$1,700</b>	<b>\$18,300</b>	<b>\$2,200</b>
Importance Code A	\$3,100	\$500	\$5,200	\$500
Importance Code B	\$57,200	\$1,200	\$13,100	\$1,700
Importance Code C	\$7,900			
<b>Total</b>	<b>\$68,200</b>	<b>\$1,700</b>	<b>\$18,300</b>	<b>\$2,200</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**  
**ENGINE CO. 238/LADDER CO. 106**

**Asset # : 13129**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Cast in Place Concrete	10%			LIFE	**	5	\$12,200	
Masonry: Brick Cavity	85%			LIFE	**	5	\$20,800	
Wood Overhead Doors	5%			2032	**	5	\$6,100	
<b>Windows</b>								
Aluminum	100%	2-4	\$103,100	2052	**	5	\$1,200	2
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 2nd Floor Windows</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
<b>Parapets</b>								
Cast in Place Concrete	30%	2-4	\$2,600	LIFE	**	5	\$8,200	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Joints Throughout</i>								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$1,000	
Masonry: Brick	50%			LIFE	**	5	\$1,300	
Metal Rail	5%			2032	**	5-10	\$2,400	
No Component	10%							
<b>Roof</b>								
Modified Bitumen	100%	Now	\$41,800	2027	\$209,000			
<i>Alligatoring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Both Roofs</i>								
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Ridging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout Both Roofs</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Lower Roof Where Kitchen Abuts Garage</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	57%	0-2	\$9,300	LIFE	**	5	\$19,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Through Slab In Basement Tank Room</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Slab Throughout</i>								
Ceramic Tile	15%			2040	**	5	\$2,300	
<i>Recent Installation, Extent : Light, Area Affected : 90%</i>								
<i>Location : 2nd Floor Bath And Locker Rooms</i>								
Terrazzo	8%			LIFE	**	5	\$1,000	
Vinyl Tile	20%	0-2	\$5,300	2027	\$26,700	3	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor And Basement</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor And Basement</i>								

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

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 238/LADDER CO. 106**

**Asset # : 13129**

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

**Interior**

**Interior Walls**

Cast in Place Concrete	10%	Now	\$6,800	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout Basement</i>								
Ceramic Tile	10%			2040	**	5	\$2,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 90%</i>								
<i>Location : 2nd Floor Bath And Locker Rooms</i>								
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	\$8,900	2044	**	5	\$3,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
Exposed Concrete	45%	Now	\$22,700	LIFE	**	5	\$1,100	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Connecting Soffit Between Kitchen And Apparatus Room</i>								
Metal Panel	10%	4+	\$5,200	LIFE	**	5	\$1,900	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Kitchen</i>								
Plaster	10%	Now	\$1,000	LIFE	**	5	\$1,000	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Gymnasium Ceiling - From Roof Penetrations Above</i>								

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

**Under 600 Volts**

Service Equipment								
Molded Case Bkrs	100%			2027	\$4,900	5	\$300	
<i>Other Observation, Extent : Moderate, 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%			2027	\$49,900	5	\$300	
Raceway								
Conduit	100%			2027	\$32,000	1		
Panelboards								
Molded Case Bkrs	100%			2026	\$39,400	5	\$300	
Wiring								
Thermoplastic	100%			2027	\$28,300	1		

**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. 238/LADDER CO. 106**  
**Asset # : 13129**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Ground								
Grounding Devices Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement</i>								
<i>Explanation : Connected To Metal Water Pipe. Point Of Contact Not Visible Covered With Insulation</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2040	**	1	\$3,200	
Generators								
Diesel	100%			2036	**	1	\$4,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Emergency Generator Rated At 55 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$400	
Fuel Storage								
Main Tank	100%			2042	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 275 Gallon Rated Capacity</i>								
Lighting								
Interior Lighting Fluorescent	70%			2032	**	10	\$6,600	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor And Basement</i>								
LED	30%			2035	**			
Egress Lighting								
Emergency, Service	70%			2032	**	1		
Exit, LED	30%			2062	**	1		
Exterior Lighting								
HID	20%			2027	\$7,900	10		
No Component	80%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source Natural Gas	100%			2053	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2040	**	1	\$5,100	
Distribution								
Hot Wtr Piping/Pump	100%			2043	**	4	\$500	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 238/LADDER CO. 106**  
**Asset # : 13129**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
	Terminal Devices							
	Convactor/Radiator	90%			2040	**	1	\$3,000
	Unit Heater - Steam	10%			2032	**	4	\$100
<b>Air Conditioning</b>								
	Energy Source							
	Electricity	100%			2049	**	1	
	Conversion Equipment							
	Window/Wall Unit	20%			2025	\$4,100	1	
	Under Construction	80%						
	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2	\$13,400
	Terminal Devices							
	Air Handler/Dir	50%			2032	**	1	
	Expansion							
	No Component	50%						
	Heat Rejection							
	Dry Cooler	50%			2032	**	2	\$3,600
	No Component	50%						
<b>Ventilation</b>								
	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,700
	Exhaust Fans							
	Interior	50%			2032	**	2	\$200
	Roof	50%			2032	**	2	\$200
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2053	**	1	
	Water Heater							
	Gas Fired	100%			2025	\$6,000	2	\$200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 - 75 Gallon Units</i>				
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%	Now	\$100	2022	\$300	4	\$200
				<i>Not in Service, Extent : Severe, Area Affected : 100%</i>				
				<i>Location : Cellar</i>				
	Fixtures							
	Generic	100%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 239  
**Address** : 395 4th AVENUE  
**Borough** : BROOKLYN  
**Program / Asset #** : FIRSECO.239 / 13130  
**Area Sq Ft** : 4,600  
**Date of Survey** : 30-May-2018  
**Areas Surveyed** : Floors 1  
**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 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$52,000	\$300		
Interior Architecture	\$32,700		\$200	
Electrical	\$700	\$300	\$300	\$1,900
Mechanical	\$2,000	\$700	\$800	\$700
<b>Total</b>	<b>\$87,400</b>	<b>\$1,300</b>	<b>\$1,400</b>	<b>\$2,600</b>
Importance Code A	\$52,200	\$600	\$200	\$200
Importance Code B	\$22,100	\$800	\$1,200	\$2,400
Importance Code C	\$13,100			
<b>Total</b>	<b>\$87,400</b>	<b>\$1,300</b>	<b>\$1,400</b>	<b>\$2,600</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 239**  
**Asset # : 13130**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$11,700	LIFE	**	5	\$18,900	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%	2-4	\$6,600	LIFE	**	5	\$900	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal/Glass Curt Wall	10%	Now	\$19,200	LIFE	**	5	\$4,400	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	5%			2034	**	5	\$5,900	
Windows								
Aluminum	100%			2051	**	5	\$700	
Parapets								
Masonry: Brick	80%			LIFE	**	5-10	\$8,300	
Masonry: Limestone	10%			LIFE	**	5-10	\$1,800	
Metal Panel	10%			2055	**	5	\$600	
Roof								
Modified Bitumen	90%			2037	**	10	\$6,700	
Plaza Roof: Stone Panels	5%			2055	**			
Skylight, Metal/Glass	5%	Now	\$5,600	2055	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Lower Roof</i>								
Interior								
Floors								
Cast in Place Concrete	75%			LIFE	**	5	\$26,400	
Ceramic Tile	5%			2042	**	5	\$400	
Wood	20%			2064	**	5	\$3,000	
Interior Walls								
Cast in Place Concrete	5%			LIFE	**	10	\$1,400	
Concrete Masonry Unit	10%			LIFE	**	5	\$900	
Gypsum Board	70%			LIFE	**	5-10	\$13,100	
SGFT/Glazed Masonry	10%			LIFE	**	10	\$600	
Wood	5%			LIFE	**	5	\$4,400	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 239**  
**Asset # : 13130**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
Acous Tile Susp. Lay-In	50%	Now	\$1,700	2046	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Weight Room</i>								
Embossed Metal	20%			LIFE	**	5	\$1,400	
Exposed Struc: Steel	20%			LIFE	**	10	\$3,200	
Gypsum Board	10%	Now	\$800	LIFE	**	5	\$1,000	
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Aluminum Rail	100%			2042	**	5-10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Roof Rail</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2042	**			
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2049	**	5		
<b>Transformers</b>								
Dry Type	100%			2042	**	5		
<b>Raceway</b>								
Conduit	100%			2049	**	1		
<b>Panelboards</b>								
Fused Disc Sw	20%			2045	**	5		
Molded Case Bkrs	80%			2045	**	5	\$100	
<b>Wiring</b>								
Thermoplastic	100%			2049	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2042	**	5		
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$100	
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
Automatic	100%			2042	**	1	\$1,400	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 239**  
**Asset # : 13130**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
<b>Generators</b>								
Diesel	100%			2038	**	1	\$1,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : The Generator Is In Good Condition. It Is A 180 Kilowatt Generator.</i>								
<b>Batteries</b>								
Lead/Acid	100%			2023	\$1,500	5	\$200	
<b>Fuel Storage</b>								
<b>Day Tank</b>								
	50%			2045	**	5	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement - Generator Room</i>								
<i>Explanation : The Day Tanks Has A 50 Gallon Capacity.</i>								
<b>Main Tank</b>								
	50%			2044	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : The Main Diesel Tank Has A 550 Gallon Capacity.</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
<b>Fluorescent</b>								
	90%			2034	**	10	\$3,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Most Lighting Fixtures Are T-8 Lamps Type Fixtures And Are In Good Condition.</i>								
<b>Fluorescent</b>								
	10%			2037	**	10	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Stairway</i>								
<i>Explanation : Lighting Fixtures In The Stairway Are T-5 Lamp Type. They Are In Good Condition.</i>								
<b>Egress Lighting</b>								
<b>Emergency, Service</b>								
	50%			2034	**	1		
<b>Exit, LED</b>								
	50%			2057	**	1		
<b>Exterior Lighting</b>								
<b>LED</b>								
	100%			2034	**			

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	100%			2055	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 239**  
**Asset # : 13130**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Furnace	50%			2037	**	1	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 3 Rooftop Air Conditioning Units With Gas Fired Furnaces</i>								
Hot Water Boiler	50%			2046	**	1	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Natural Gas Fired Hot Water Boiler</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2051	**	4	\$200	
Terminal Devices								
Air Handler	30%			2037	**	1	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : H And V Unit Serves Boiler And Emergency Generator Engine Rooms</i>								
Fan Coil Unit/Heat	20%			2037	**	1	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Unit Heaters Serve Apparatus Floor</i>								
No Component	50%							
Air Conditioning								
Energy Source								
Electricity	100%			2051	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	90%			2037	**	2	\$300	
Split Unit	10%			2037	**			
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,100	
Exhaust Fans								
Roof	100%			2037	**	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2055	**	1		
Water Heater								
Gas Fired	100%			2028		2	\$2,700	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 239**  
**Asset # : 13130**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Sump Pump(s) Non-Submersible	100%			2037	**	4	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
	Backflow Preventer Generic	100%			2037	**	1	\$300
	Fixtures Generic	100%						
<b>Fire Suppression</b>								
	Sprinkler Generic	100%			2055	**	1-2	\$1,300
	Chemical System Wet	2%			2028	\$500	1-3	\$100
	No Component	98%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 24 /LADDER CO. 5  
**Address** : 227 AVENUE OF THE AMERICAS  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.024 / 13018 **Yr Built/Renovated** : 1975 /  
**Area Sq Ft** : 9,376 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 15-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 520 **Lot** : 37 **BIN** : 1080044

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$76,900	
Interior Architecture		\$60,900
Electrical		\$154,400
<b>Total</b>	<b>\$76,900</b>	<b>\$215,300</b>
Importance Code A	\$76,900	
Importance Code B		\$215,300
<b>Total</b>	<b>\$76,900</b>	<b>\$215,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$111,400			
Interior Architecture	\$41,600		\$3,900	\$900
Electrical	\$2,500	\$700	\$800	\$1,000
Mechanical	\$7,600	\$1,100	\$2,400	\$700
Site Pavements	\$5,000			
<b>Total</b>	<b>\$168,100</b>	<b>\$1,800</b>	<b>\$7,000</b>	<b>\$2,600</b>
Importance Code A	\$111,800	\$500	\$500	\$500
Importance Code B	\$45,100	\$1,300	\$6,500	\$2,200
Importance Code C	\$11,200			
<b>Total</b>	<b>\$168,100</b>	<b>\$1,800</b>	<b>\$7,000</b>	<b>\$2,600</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**  
**ENGINE CO. 24 /LADDER CO. 5**  
**Asset # : 13018**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%	4+	\$33,000	LIFE	**	5	\$21,400	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front And Rear Facade On The Right</i>								
<i>Expansion Jnt Failure, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North And South Property Lines</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 15%</i>								
<i>Location : Ivy Growth At Front And Left Facade</i>								
Wood Overhead Doors	10%	Now	\$76,900	2049	**	5	\$6,000	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Door</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Door</i>								
<i>Explanation : Unit Always Braking Down</i>								
Windows								
Aluminum	100%	Now	\$27,200	2037	**	5	\$800	
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%	Now	\$13,600	LIFE	**	5	\$4,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	85%			LIFE	**	5-10	\$20,400	
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 30%</i>								
<i>Location : South Wall Of Parapet</i>								
Roof								
Modified Bitumen	100%	Now	\$20,100	2034	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Soffits								
Cement-Fiber Panel	100%			2029		10		
<i>Staining/Discoloring, Extent : Light, Area Affected : 35%</i>								
<i>Location : Front Facade</i>								

## Interior

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 24 /LADDER CO. 5**  
**Asset # : 13018**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%	4+	\$6,000	LIFE	**	5	\$12,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus And Basement Floor</i>								
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Flooding During Heavy Rain, Sewer Backs Up</i>								
Ceramic Tile	5%	4+	\$700	2032	**	5	\$400	
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%	4+	\$1,000	2042	**	5	\$500	
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	50%	Now	\$18,300	2024	\$60,900	3	\$2,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Concrete Masonry Unit	30%	4+	\$3,100	LIFE	**	5	\$2,700	
<i>Diagonal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Stair</i>								
Gypsum Board	5%	Now	\$200	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lounge</i>								
Plaster	15%			LIFE	**	5-10	\$2,900	
Plywood/Hardboard	10%			LIFE	**	10	\$200	
SGFT/Glazed Masonry	40%			LIFE	**	10	\$4,600	
Ceilings								
AcousTileSusp.Lay-In	55%			2042	**	5	\$7,700	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Locker Room And Kitchen</i>								
Exposed Concrete	35%			LIFE	**	5-10	\$6,100	
Gypsum Board	10%	2-4	\$300	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Corridor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	**			
Free Standing Walls								
Cast in Place Concrete	100%			2064	**			
Site Pavements								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 24 /LADDER CO. 5**  
**Asset # : 13018**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042		**		
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$200	2042		**		
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Steps To Rear Yard</i>								
Parking/Driveway								
Cast in Place Concrete	100%	0-2	\$1,000	2042		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Ramp</i>								
Activity Yard								
Cast in Place Concrete	100%	0-2	\$3,800	2042		**		
<i>Ponding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rear Yard</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Floods During Heavy Rain</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	90%			2029	\$4,400	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 300 Ampere Main Disconnect Switch</i>								
Fused Disc Sw	10%			2029	\$500	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch For Emergency</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
Raceway								
Conduit	100%			2029	\$32,000	1		
Panelboards								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	95%			2028	\$37,400	5	\$200	
Wiring								
Thermoplastic	100%			2029	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
Stand-by Power								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 24 /LADDER CO. 5**  
**Asset # : 13018**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power								
Transfer Switches								
Automatic	100%			2027	\$4,900	1	\$2,900	
Generators								
Diesel	100%			2025	\$67,200	1	\$3,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Back Yard</i>								
<i>Explanation : One 40 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$300	
Fuel Storage								
Day Tank								
	30%			2028	\$200	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Back Yard</i>								
<i>Explanation : One 50 Gallons</i>								
Main Tank	70%			2032	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : One 1000 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent								
	95%			2029	\$24,700	10	\$8,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	5%			2024	\$3,100	2		
Egress Lighting								
Emergency, Service								
	60%			2029	\$2,800	1		
Exit, Service								
	40%			2024	\$400	1		
Exterior Lighting								
HID								
	90%			2024	\$32,500	10		
Incandescent								
	10%			2024	\$3,100	2		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2055	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2042	**	1	\$4,600	
Distribution								
Hot Wtr Piping/Pump	100%			2037	**	4	\$700	
Terminal Devices								
Convactor/Radiator	80%			2034	**	1	\$2,400	
Unit Heater - Steam	20%			2029	\$6,400	4	\$300	
Air Conditioning								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 24 /LADDER CO. 5**  
**Asset # : 13018**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	60%			2034	**	2	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 6 Split Units</i>						
Window/Wall Unit	20%			2024	\$3,700	1		
No Component	20%							
Heat Rejection								
Dry Cooler	60%			2034	**	2	\$3,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : Split Units</i>						
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,300	
Exhaust Fans								
Roof	100%	Now	\$3,000	2029	\$14,900	2	\$200	
		<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Roof</i>						
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	100%			2028	\$5,500	2	\$100	
		<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%			2029	\$1,400	4	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Duplex Unit</i>						
Backflow Preventer								
No Component	95%							
Generic	5%			2034	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 24 /LADDER CO. 5**  
**Asset # : 13018**

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

Plumbing

Fixtures

Generic

100%

*Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 10%**Location : Bathrooms*

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 240  
**Address** : 1307 PROSPECT AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.240 / 13131 **Yr Built/Renovated** : 1895 / 2000  
**Area Sq Ft** : 5,090 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 22-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 5285 **Lot** : 21 **BIN** : 3122838

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$143,400	
Electrical		\$19,700
<b>Total</b>	<b>\$143,400</b>	<b>\$19,700</b>
Importance Code A	\$143,400	
Importance Code B		\$19,700
<b>Total</b>	<b>\$143,400</b>	<b>\$19,700</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$19,500			
Interior Architecture	\$65,000		\$300	\$700
Electrical	\$500	\$400	\$500	\$1,900
Mechanical	\$4,000	\$700	\$800	\$800
Site Pavements	\$2,100			
<b>Total</b>	<b>\$91,200</b>	<b>\$1,100</b>	<b>\$1,500</b>	<b>\$3,400</b>
Importance Code A	\$20,000	\$500	\$500	\$500
Importance Code B	\$57,200	\$500	\$1,000	\$2,900
Importance Code C	\$13,900			\$100
<b>Total</b>	<b>\$91,200</b>	<b>\$1,100</b>	<b>\$1,500</b>	<b>\$3,400</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 240**  
**Asset # : 13131**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	70%	Now	\$37,900	LIFE	**	5	\$12,300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East And North Facade</i>								
Masonry: Limestone	20%			LIFE	**	5	\$5,300	
Wood Overhead Doors	10%			2034	**	5	\$8,800	
<b>Windows</b>								
Aluminum	100%			2045	**	5	\$1,400	
<b>Parapets</b>								
Cast Stone/Terra Cotta	5%			LIFE	**	5-10	\$3,300	
Masonry: Brick	90%	Now	\$12,500	LIFE	**	5	\$2,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%			LIFE	**	5-10	\$1,400	
<b>Roof</b>								
Modified Bitumen	98%	4+	\$105,500	2039	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Granular Finish Is Deteriorating Collecting At The Roof Drains - Throughout</i>								
Skylight, Metal/Glass	2%			2039	**	10	\$500	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	45%			LIFE	**	5	\$15,000	
Ceramic Tile	5%			2038	**	5	\$400	
Quarry Tile	5%			2042	**	5	\$600	
Vinyl Tile	45%	Now	\$29,700	2039	**	3	\$1,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Locker Room</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor, Locker Room</i>								
<b>Interior Walls</b>								
Ceramic Tile	2%			2038	**	5	\$200	
Gypsum Board	5%			LIFE	**	5-10	\$700	
Masonry: Brick	10%	Now	\$6,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	83%	Now	\$5,200	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Battalion 48</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Corridor, Battalion 48 Office And Stairs To Basement</i>								

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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. 240**  
**Asset # : 13131**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
Acous Tile Susp. Lay-In	40%			2034	**	5	\$3,000	
Embossed Metal	40%	Now	\$10,900	LIFE	**	5	\$1,400	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Concrete	20%	Now	\$5,000	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	95%			2039	**			
Iron Picket	5%			2049	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%	Now	\$2,100	2042	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2042	**			
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2039	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated At 200 Amperes</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2039	**	5	\$100	
<b>Raceway</b>								
Conduit	100%			2039	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	50%			2028	\$19,700	5	\$100	
Molded Case Bkrs	50%			2037	**	5	\$100	
<b>Wiring</b>								
Thermoplastic	100%			2039	**	1		
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$200	
<b>Stand-by Power</b>								

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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. 240**  
**Asset # : 13131**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2034	**	1	\$1,600	
Generators								
Diesel	100%			2038	**	1	\$2,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : The Diesel Generator Is Rated At 60 Kilowatts.</i>						
Batteries								
Lead/Acid	100%			2023	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2057	**	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : No Available Capacity Ratings</i>						
<b>Lighting</b>								
Interior Lighting								
Fluorescent	100%			2029	\$14,100	10	\$4,700	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout Building</i>						
Egress Lighting								
Emergency, Service	100%			2029	\$2,600	1		
Exterior Lighting								
HID	100%			2024	\$19,600	10		
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$5,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2027	\$26,000	1	\$1,600	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2037	**	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. 240**  
**Asset # : 13131**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
Conversion Equipment								
	Split Unit	10%			2034	**		
	Window/Wall Unit	50%			2024	\$5,100	1	
	No Component	40%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,300
	No Component	70%						
<b>Exhaust Fans</b>								
	Roof	10%			2034	**	2	
	Roof	20%	Now	\$1,600	2039	**	2	
	<i>Unit Inoperable, Extent : Severe, Area Affected : 20%</i>							
	<i>Location : 2 Old Units, Roof</i>							
	No Component	70%						
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	50%			2049	**	1	
	Galvanized Steel	50%	Now	\$1,100	2027	\$10,700	1	
	<i>Corroded, Extent : Severe, Area Affected : 20%</i>							
	<i>Location : Basement</i>							
<b>Water Heater</b>								
	Gas Fired	100%			2027	\$3,000	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 75 Gallon Units</i>							
<b>Sanitary Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Storm Drain Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Sump Pump(s)</b>								
	Submersible	100%	Now	\$200	2024	\$200	4	\$100
	<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
Chemical System								
	Wet	2%			2027	\$500	1-3	\$100
	No Component	98%						

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 241  
**Address** : 6630 THIRD AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.241 / 13132 **Yr Built/Renovated** : 1970 /  
**Area Sq Ft** : 8,575 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 06-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5841 **Lot** : 40 **BIN** : 3144349

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$133,700	
Electrical		\$81,400
<b>Total</b>	<b>\$133,700</b>	<b>\$81,400</b>
Importance Code A	\$133,700	
Importance Code B		\$81,400
<b>Total</b>	<b>\$133,700</b>	<b>\$81,400</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$44,300		\$2,200	
Interior Architecture	\$51,500		\$1,200	
Electrical	\$9,700		\$100	\$100
Mechanical	\$3,900	\$1,100	\$1,400	\$31,500
Site Enclosure	\$3,500			
<b>Total</b>	<b>\$113,000</b>	<b>\$1,100</b>	<b>\$4,800</b>	<b>\$31,600</b>
Importance Code A	\$44,700	\$400	\$2,600	\$400
Importance Code B	\$42,500	\$700	\$2,200	\$31,200
Importance Code C	\$25,800			
<b>Total</b>	<b>\$113,000</b>	<b>\$1,100</b>	<b>\$4,800</b>	<b>\$31,600</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 241**  
**Asset # : 13132**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	2-4	\$21,300	LIFE	**	5	\$13,800	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Entrance Door</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Stucco Cement	10%			2042	**	5	\$4,300	
Wood Overhead Doors	10%	Now	\$55,900	2049	**	5	\$4,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Apparatus Floor</i>								
Windows								
Aluminum	100%	Now	\$77,800	2054	**	5	\$900	
<i>Crtrwt/Balnc Not Funct, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	100%	2-4	\$23,000	2034	**			
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	50%	0-2	\$6,800	LIFE	**	5	\$14,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stair Treads To Cellar And Boiler Room</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	10%			2042	**	5	\$1,300	
Terrazzo	5%	2-4	\$1,500	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	34%			2037	**	3	\$1,600	
Vinyl Tile	1%	Now	\$1,100	2039	**	3		
<i>Other Observation, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Stair Landings</i>								
<i>Explanation : Very Old</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 241**  
**Asset # : 13132**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	5%	0-2	\$1,500	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Upper Foundation Wall At Building Joint</i>								
Ceramic Tile	10%	2-4	\$6,300	2038	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bathrooms</i>								
Concrete Masonry Unit	5%			LIFE	**	5	\$900	
Marble Panels	5%			LIFE	**	10	\$500	
Plaster	35%	0-2	\$6,400	LIFE	**	5	\$2,400	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Various Locations At The 2nd Floor</i>								
<i>Spalling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Cellar Stair</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor Window At Third Avenue Side</i>								
SGFT/Glazed Masonry	40%	4+	\$7,100	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Ceilings								
AcousTileSusp.Lay-In	10%	2-4	\$1,400	2042	**	5	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lounge And Watch Room</i>								
Exposed Concrete	55%	4+	\$14,800	LIFE	**	5	\$1,400	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Ceiling</i>								
Gypsum Board	5%	2-4	\$400	LIFE	**	5	\$1,000	
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Plaster	30%	4+	\$3,300	LIFE	**	5	\$3,100	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stairway</i>								
Site Enclosure								
Fence/Gates								
Aluminum Rail	75%	Now	\$3,500	2042	**	5	\$4,600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 8%</i>								
<i>Location : Main Roof Detached Guardrail</i>								
<i>Loose/Miss Fasteners, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Chain Link	25%			2039	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	**			
On-Site Walkways								
Cast in Place Concrete	100%			2042	**			

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 241**  
**Asset # : 13132**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Molded Case Bkrs	100%			2029	\$4,900	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 300 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
Raceway								
Conduit	20%			2039	**	1		
Conduit	80%			2029	\$25,600	1		
Panelboards								
Molded Case Bkrs	20%			2037	**	5		
Molded Case Bkrs	80%			2028	\$31,500	5	\$200	
Wiring								
Thermoplastic	50%			2039	**	1		
Thermoplastic	50%			2029	\$14,200	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5	\$100	
<b>Ground</b>								
Grounding Devices								
Generic	100%	2-4	\$9,700	LIFE	**	5	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<b>Lighting</b>								
Interior Lighting								
LED	100%			2037	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : LED Light Fixtures</i>								
Egress Lighting								
Emergency, Battery	50%			2037	**	10	\$1,000	
Exit, LED	50%			2064	**	1		
Exterior Lighting								
HID	30%			2029	\$9,900	10		
No Component	70%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2055	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2046	**	1	\$4,200	
<i>Leak Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 241**  
**Asset # : 13132**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2037	**	4	\$600	
Terminal Devices								
Convactor/Radiator	70%			2034	**	1	\$1,900	
Unit Heater - Hot Water	30%			2029	\$9,200			
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Interior Pkg Unit - Cooling	10%			2023	\$30,600	2	\$100	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
Reciprocating Compr/Chiller	10%			2037	**	1	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 1 Unit, R-410a. For Bunkroom</i>						
Window/Wall Unit	40%			2024	\$6,800	1		
No Component	40%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2037	**	2	\$600	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,800	
No Component	50%							
Exhaust Fans								
Interior	10%			2024	\$2,900	2		
Roof	40%			2037	**	2	\$100	
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	**	1		
Water Heater								
Gas Fired	100%			2024	\$5,000	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Cellar</i>						
		<i>Explanation : One 75 Gallon Heater</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 241**  
**Asset # : 13132**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Plumbing								
Storm Drain Piping Cast Iron	100%	0-2	\$1,700	LIFE	**	1		
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Apparatus Floor</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Apparatus Floor</i>					
			<i>Explanation : Blockage</i>					
Sump Pump(s) Submersible	100%			2022	\$300	4	\$300	
Fixtures Generic	100%							
Fire Suppression Sprinkler								
No Component	70%							
Generic	30%			2029	\$24,100	1-2	\$700	

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 242  
**Address** : 9219 FIFTH AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.242 / 13133 **Yr Built/Renovated** : 1895 /  
**Area Sq Ft** : 4,800 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 14-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 6109 **Lot** : 19 **BIN** : 3155323

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Electrical		\$19,700
<b>Total</b>		<b>\$19,700</b>
Importance Code B		\$19,700
<b>Total</b>		<b>\$19,700</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$24,800			
Interior Architecture	\$60,800		\$300	\$600
Electrical	\$100			
Mechanical	\$500	\$500	\$400	\$400
Site Enclosure	\$10,500			
Site Pavements	\$1,700			
<b>Total</b>	<b>\$98,400</b>	<b>\$500</b>	<b>\$700</b>	<b>\$1,000</b>
Importance Code A	\$25,000	\$200	\$200	\$200
Importance Code B	\$47,400	\$300	\$500	\$500
Importance Code C	\$26,000			\$200
<b>Total</b>	<b>\$98,400</b>	<b>\$500</b>	<b>\$700</b>	<b>\$1,000</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 242**  
**Asset # : 13133**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	75%			LIFE	**	5	\$26,200	
Masonry: Limestone	10%			LIFE	**	5	\$2,600	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Granite Panels	2%			LIFE	**	5	\$500	
Wood Overhead Doors	13%			2034	**	5	\$11,300	
<b>Windows</b>								
Aluminum	100%	Now	\$2,900	2045	**	5	\$300	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<b>Parapets</b>								
Masonry: Brick	85%			LIFE	**	5-10	\$8,500	
Metal Cornice	15%			2057	**	10	\$700	
<b>Roof</b>								
Asphalt Shingle	80%			2038	**	10	\$1,100	
Modified Bitumen	20%			2034	**	10	\$1,700	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	50%	Now	\$15,300	LIFE	**	5	\$7,900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	10%	Now	\$1,400	2038	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%			2042	**	5	\$500	
Vinyl Tile	35%	Now	\$4,400	2029	\$21,800	3	\$900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Interior Walls</b>								
Ceramic Tile	5%			2038	**	5	\$500	
Gypsum Board	15%			LIFE	**	5-10	\$2,500	
Masonry: Brick	15%			LIFE	**	10	\$400	
Plaster	60%	Now	\$9,700	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Wood	5%			LIFE	**	5	\$4,000	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 242**  
**Asset # : 13133**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	15%	Now	\$3,600	2042	**	5	\$500	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor Bathrooms</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilet</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen And Toilets</i>								
Exposed Struc: Steel	20%			LIFE	**	10	\$2,900	
Plaster	40%	Now	\$3,800	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood	25%			LIFE	**	5	\$31,400	
<b>Site Enclosure</b>								
<b>Free Standing Walls</b>								
Concrete Masonry Unit	100%	Now	\$10,500	2049	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Yard</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2046	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%	Now	\$1,700	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2046	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2029	\$4,900	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								
<b>Raceway</b>								
Conduit	20%			2039	**	1		
Conduit	80%			2029	\$25,600	1		
<b>Panelboards</b>								
Molded Case Bkrs	50%			2028	\$19,700	5	\$100	
Molded Case Bkrs	50%			2037	**	5	\$100	
<b>Wiring</b>								
Thermoplastic	100%			2039	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 242**  
**Asset # : 13133**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2034	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Water Main</i>						
Lighting								
Interior Lighting								
Fluorescent	100%			2029	\$13,300	10	\$4,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout Building</i>						
		<i>Explanation : T-8 Lamps</i>						
Egress Lighting								
Exit, Service	50%			2029	\$300	1		
Exit, Battery	50%			2029	\$900	10	\$200	
Exterior Lighting								
HID	100%			2024	\$18,500	10		
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2039	**	1		
Conversion Equipment								
Furnace	30%			2034	**	1	\$700	
		<i>Other Observation, Extent : Light, Area Affected : 30%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : Serves 2nd Floor</i>						
Hot Water Boiler	70%			2046	**	1	\$1,700	
		<i>Recent Installation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Natural Gas Fired Sectional Hot Water Boiler</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2037	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$1,600	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 242**  
**Asset # : 13133**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Air Conditioning								
Conversion Equipment								
	Split Unit	2%		2034	**			
	Window/Wall Unit	78%		2027	\$7,500	1		
	No Component	20%						
Ventilation								
Exhaust Fans								
	Interior	100%		2034	**	2	\$100	
Plumbing								
H/C Water Piping								
	Galvanized Steel	100%		2046	**	1		
Water Heater								
	Gas Fired	100%		2028	\$2,800	2	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Two 75 Gallon Units</i>					
Sanitary Piping								
	Cast Iron	100%		LIFE	**	1		
Storm Drain Piping								
	Cast Iron	100%		LIFE	**	1		
Sump Pump(s)								
	Submersible	100%		2024	\$200	4	\$200	
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Wet	2%		2027	\$500	1-3	\$100	
	No Component	98%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 243/LADDER CO. 168  
**Address** : 8653 18th AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.243 / 13134 **Yr Built/Renovated** : 1896 / 2009  
**Area Sq Ft** : 5,742 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 14-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 6369 **Lot** : 24 **BIN** : 3166596

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$38,000	\$83,600
Electrical		\$39,400
Mechanical	\$42,300	
<b>Total</b>	<b>\$80,300</b>	<b>\$122,900</b>
Importance Code A	\$80,300	\$83,600
Importance Code B		\$39,400
<b>Total</b>	<b>\$80,300</b>	<b>\$122,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$21,200			
Interior Architecture	\$90,700	\$1,400	\$600	\$600
Electrical	\$600	\$400	\$400	\$500
Mechanical	\$2,800	\$700	\$500	\$500
Site Enclosure	\$17,900			
Site Pavements	\$10,200			
<b>Total</b>	<b>\$143,400</b>	<b>\$2,500</b>	<b>\$1,500</b>	<b>\$1,600</b>
Importance Code A	\$21,200	\$300	\$300	\$300
Importance Code B	\$68,800	\$2,200	\$1,200	\$1,300
Importance Code C	\$53,300			
<b>Total</b>	<b>\$143,400</b>	<b>\$2,500</b>	<b>\$1,500</b>	<b>\$1,600</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 243/LADDER CO. 168**  
**Asset # : 13134**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2049	**	10	\$600	
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$15,900	
Concrete Masonry Unit	5%			LIFE	**	5	\$1,300	
Masonry: Brick	80%	Now	\$38,000	LIFE	**	5	\$16,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%			2045	**	5	\$500	
Parapets								
Cast Stone/Terra Cotta	40%			LIFE	**	5-10	\$5,400	
Masonry: Brick	60%	Now	\$8,500	LIFE	**	5	\$300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Roof								
Copper/Terne	5%			2057	**	10	\$900	
Copper/Terne	5%			2057	**	10	\$900	
Modified Bitumen	85%			2029		10	\$83,600	
Skylight, Metal/Glass	5%			2049	**	10	\$1,200	
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$18,300	LIFE	**	5	\$12,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2038	**	5	\$500	
Quarry Tile	5%			2042	**	5	\$700	
Vinyl Tile	30%	Now	\$12,500	2029		3	\$25,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 243/LADDER CO. 168**  
**Asset # : 13134**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%	Now	\$1,100	2038	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	10%	Now	\$19,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Metal Panel	2%			LIFE	**	10	\$100	
Plaster	56%	Now	\$1,500	LIFE	**	5	\$2,700	
<i>Paint Peeling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Weight Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Weight Room</i>								
SGFT/Glazed Masonry	25%			LIFE	**	10	\$2,000	
Wood	2%			LIFE	**	5	\$2,600	
Ceilings								
AcousTileSusp.Lay-In	5%			2042	**	5	\$500	
AcousTileSusp.Lay-In	30%			2046	**	5	\$2,800	
Embossed Metal	30%	Now	\$10,200	LIFE	**	5	\$1,300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	5%	Now	\$20,300	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Underside Of Stairs</i>								
Gypsum Board	10%			LIFE	**	5-10	\$3,200	
Plaster	20%			LIFE	**	5-10	\$3,200	
Site Enclosure								
Fence/Gates								
Chain Link	80%	Now	\$17,900	2059	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Iron Picket	20%			2064	**			
Free Standing Walls								
Cast in Place Concrete	100%			2064	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 243/LADDER CO. 168**

**Asset # : 13134**

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

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	Now	\$7,300	2042	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Side Yard</i>								
<i>Tripping Hazard, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Near Gate</i>								

Parking/Driveway

Cast in Place Concrete	100%	Now	\$2,900	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								

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

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2039	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Service Area</i>								
<i>Explanation : 200 Ampere Safety Switch Being Used As A Service Switch</i>								

Raceway

Conduit	100%			2039	**	1		
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Panelboards

Molded Case Bkrs	100%			2028	\$39,400	5	\$200	
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Wiring

Thermoplastic	100%			2039	**	1		
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Motor Controllers

Locally Mounted	100%			2034	**	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Water Main</i>								
<i>Explanation : Main Water Pipe</i>								

Stand-by Power

Transfer Switches

Automatic	100%			2046	**	1	\$1,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Service Area</i>								
<i>Explanation : Asco Type Switch.</i>								

Generators

Diesel	100%			2042	**	1	\$2,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Rear Yard</i>								
<i>Explanation : Onan Cummins Type Generator</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 243/LADDER CO. 168**  
**Asset # : 13134**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power								
Batteries								
Lead/Acid	100%			2024	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2064	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Rear Yard</i>								
<i>Explanation : 60 Gallon Intergrated Tank</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2029	\$15,900	10	\$5,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-12 Fixtures In Basement, 1st Floor And 2nd Floor: T-8 Fixtures</i>								
Exterior Lighting								
HID	100%			2029	\$22,100	10		
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2039	**	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	\$42,300	2049	**	1	\$2,600	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement, Unreliable Boiler Burner Operation</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Natural Gas Fired Sectional Hot Water Boilers</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2037	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Split Unit	25%			2034	**			
Window/Wall Unit	50%			2024	\$5,700	1		
No Component	25%							
Ventilation								
Exhaust Fans								
Roof	60%			2029	\$5,500	2	\$100	
Wall Unit	40%			2029	\$800	2	\$100	
Plumbing								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 243/LADDER CO. 168**

**Asset # : 13134**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Galvanized Steel	100%			2034	**	1	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Incoming Water Service</i>								
<i>Explanation : Obsolete Material / Water Service From Street</i>								
Water Heater	Gas Fired	100%			2027	\$3,300	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 74 Gallon Unit</i>								
Sanitary Piping	Cast Iron	100%	Now	\$2,000	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Second Floor Water Closet</i>								
Storm Drain Piping	Cast Iron	100%	Now	\$600	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor Drains</i>								
Backflow Preventer	No Component	98%						
	Generic	2%			2034	**	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System	Wet	2%			2027	\$500	1-3	\$100
	No Component	98%						

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

Estimates are rounded to the nearest hundred dollars.

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT  
**Address** : 2929 WEST 8th STREET  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.245 / 13135 **Yr Built/Renovated** : 1971 / 2001  
**Area Sq Ft** : 8,650 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 09-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 7279 **Lot** : 290 **BIN** : 3196591

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$143,800	\$567,700
Interior Architecture	\$52,400	\$52,400
Electrical		\$9,800
<b>Total</b>	<b>\$196,200</b>	<b>\$630,000</b>
Importance Code A	\$143,800	\$567,700
Importance Code B	\$52,400	\$62,300
<b>Total</b>	<b>\$196,200</b>	<b>\$630,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$24,800		\$3,900	
Interior Architecture	\$90,000			\$300
Electrical	\$6,500	\$600	\$600	\$600
Mechanical	\$6,000	\$700	\$4,000	\$500
Site Enclosure				\$16,400
<b>Total</b>	<b>\$127,300</b>	<b>\$1,300</b>	<b>\$8,500</b>	<b>\$17,800</b>
Importance Code A	\$25,000	\$100	\$4,000	\$100
Importance Code B	\$41,400	\$1,200	\$4,500	\$1,300
Importance Code C	\$60,900			\$16,400
<b>Total</b>	<b>\$127,300</b>	<b>\$1,300</b>	<b>\$8,500</b>	<b>\$17,800</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**  
**ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT**  
**Asset # : 13135**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$57,500	LIFE	**	5	\$37,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 20%</i>								
<i>Location : Rear Elevation</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%	Now	\$400	2049	**	5	\$4,700	
<i>Deformed/Dented, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Elevation</i>								
<i>Deteriorated Finish, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Elevation</i>								
Metal Sect. OHD	5%			2042	**	5	\$7,800	
Pre-Cast Concrete	15%	Now	\$12,600	LIFE	**	5	\$24,300	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%			2054	**	5	\$6,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	80%	Now	\$86,300	LIFE	**	5	\$3,700	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 45%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 55%</i>								
<i>Location : Throughout</i>								
Metal Panel	10%			2039	**	5	\$1,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Metal Coping At Parapet</i>								
Metal Rail	10%	Now	\$1,200	2034	**	5	\$3,200	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : West Elevation</i>								
Roof								
Modified Bitumen	100%	4+	\$10,600	2029	\$530,300			
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 1st Floor Rear - Downspout Missing</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. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT**  
**Asset # : 13135**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	55%			LIFE	**	5	\$104,900	
Ceramic Tile	35%			2044	**	5	\$15,300	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor And Toilets</i>								
Terrazzo	5%			LIFE	**	5	\$3,400	
Vinyl Tile	5%	Now	\$3,800	2029	\$18,900	3	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 65%</i>								
<i>Location : Throughout</i>								
<b>Interior Walls</b>								
Ceramic Tile	15%			2044	**	5	\$8,900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Laundry, Toilets And Locker Room</i>								
Gypsum Board	5%			LIFE	**	5-10	\$5,000	
Plaster	35%	Now	\$34,000	LIFE	**	5	\$6,200	
<i>Deteriorated Finish, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	40%			LIFE	**	10	\$11,800	
Wood	5%			LIFE	**	5	\$23,700	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	50%			2049	**	5	\$21,500	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 3%</i>								
<i>Location : 2nd Floor Office</i>								
Exposed Concrete	20%			LIFE	**	5-10	\$10,800	
Plaster	30%			LIFE	**	5-10	\$22,200	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Wood	100%			2023			\$16,400	
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2042	**			
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								

*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. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT**  
**Asset # : 13135**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
Service Equipment								
	Fused Disc Sw	100%			2055	**	5	
Switchgear / Switchboard								
	Molded Case Bkrs	100%			2055	**	5	\$200
Raceway								
	Conduit	30%			2029	\$9,600	1	
	Conduit	70%			2049	**	1	
Panelboards								
	Molded Case Bkrs	25%			2028	\$9,800	5	\$100
	Molded Case Bkrs	75%			2045	**	5	\$200
Wiring								
	Braided Cloth	20%	Now	\$5,700	2054	**	1	
			<i>Insulation Aged, Extent : Severe, Area Affected : 20%</i>					
			<i>Location : Basement</i>					
	Thermoplastic	80%			2049	**	1	
Motor Controllers								
	Locally Mounted	100%			2027	\$14,700	5	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Controls For Heating System</i>					
<b>Ground</b>								
Grounding Devices								
	Not Accessible	100%						
			<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location : Police Department Basement</i>					
			<i>Explanation : Ground Connection In Adjacent Police Building</i>					
<b>Stand-by Power</b>								
Transfer Switches								
	Automatic	100%			2046	**	1	\$2,700
Generators								
	Diesel	100%			2042	**	1	\$3,400
			<i>Recent Installation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : Generator Is Under Construction.</i>					
Batteries								
	Not Accessible	100%						
Fuel Storage								
	Not Accessible	100%						
<b>Lighting</b>								

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**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	50%			2034	**	10	\$4,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	25%			2034	**	10	\$2,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
LED	25%			2037	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting Exit, Service	100%			2037	**	1		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fed From Emergency Generator In 60th Precinct</i>								
Exterior Lighting HID	100%			2034	**	10		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2049	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 60th Precinct</i>								
<i>Explanation : Service From Adjacent Building</i>								
Conversion Equipment Furnace	30%			2037	**	1	\$1,300	
Not Accessible	70%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Building</i>								
<i>Explanation : Supplied From Adjacent 60th Precinct</i>								
Distribution Hot Wtr Piping/Pump	100%			2037	**	4	\$600	
Terminal Devices Convactor/Radiator	90%			2034	**	1	\$2,500	
Unit Heater - Steam	10%			2029	\$3,000	4	\$100	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2045	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT**  
**Asset # : 13135**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling Window/Wall Unit	30%			2037	**	2	\$200	
	50%			2024	\$8,600	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building</i>								
<i>Explanation : Window Units Compensate For Ineffective Cooling Provided From Adjacent 60th Precinct</i>								
No Component	20%							
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$14,100	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,600	
Exhaust Fans								
Roof	50%			2037	**	2	\$100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Wall Unit	50%			2029	\$1,500	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Electric	100%			2027	\$7,300	4	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 120 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2034	**	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2027	\$500	1-3	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Serves Cooking Area</i>								
No Component	98%							

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 246/LADDER CO. 169  
**Address** : 2732 EAST 11th STREET @ BLAKE CT.  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.246 / 13136 **Yr Built/Renovated** : 1960 / 2004  
**Area Sq Ft** : 7,476 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 09-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Floors 1,2  
**Block** : 8761 **Lot** : 38 **BIN** : 3246894

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$53,300	
Electrical		\$69,500
<b>Total</b>	<b>\$53,300</b>	<b>\$69,500</b>
Importance Code A	\$53,300	
Importance Code B		\$69,500
<b>Total</b>	<b>\$53,300</b>	<b>\$69,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$32,400			
Interior Architecture	\$104,800		\$600	\$600
Electrical	\$23,900		\$100	\$100
Mechanical	\$3,100	\$900	\$27,900	\$1,200
<b>Total</b>	<b>\$164,200</b>	<b>\$1,000</b>	<b>\$28,600</b>	<b>\$1,900</b>
Importance Code A	\$32,800	\$400	\$400	\$400
Importance Code B	\$101,400	\$600	\$28,200	\$1,500
Importance Code C	\$30,000			
<b>Total</b>	<b>\$164,200</b>	<b>\$1,000</b>	<b>\$28,600</b>	<b>\$1,900</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**  
**ENGINE CO. 246/LADDER CO. 169**  
**Asset # : 13136**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2039	**	10	\$300	
Masonry: Brick	70%			LIFE	**	5	\$28,900	
Masonry: Granite	5%			LIFE	**	5	\$1,500	
Masonry: Limestone	5%			LIFE	**	5	\$1,500	
Wood Overhead Doors	15%			2034	**	5	\$15,500	
Windows								
Aluminum	100%	2-4	\$53,300	2037	**	5	\$1,600	
<i>Deteriorated Finish, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Windows Are Single Glazed With Plexiglass Installed In Many Panes. They Are Generally Operable</i>								
Parapets								
Masonry: Brick	85%			LIFE	**	5-10	\$14,500	
Masonry: Limestone	15%			LIFE	**	5-10	\$4,600	
Roof								
Asphalt Shingle	5%			2038	**	10	\$100	
Modified Bitumen	95%			2034	**	10	\$10,200	
Interior								
Floors								
Cast in Place Concrete	45%	0-2	\$5,500	LIFE	**	5	\$11,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	8%			2044	**	5	\$900	
Quarry Tile	5%			2042	**	5	\$900	
Vinyl Tile	30%	Now	\$29,800	2039	**	3	\$1,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Vinyl Tile 9" X 9"	10%	Now	\$12,900	2039	**	3	\$400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Bunker Room And Exercise Room</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Bunker Room And Exercise Room</i>								
Wood	2%			2057	**	5	\$400	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 246/LADDER CO. 169**  
**Asset # : 13136**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	25%	4+	\$25,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement, Oil Tank Room, Boiler Room, Stairwell</i>								
Ceramic Tile	5%			2044	**	5	\$800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	2%			LIFE	**	5	\$300	
Gypsum Board	20%	0-2	\$1,300	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	10%			LIFE	**	10	\$500	
Plaster	20%			LIFE	**	5-10	\$2,700	
Plywood/Hardboard	8%			LIFE	**	10	\$100	
SGFT/Glazed Masonry	10%			LIFE	**	10	\$800	
<b>Ceilings</b>								
AcousTileConcealSpLn	50%	Now	\$18,900	2042	**	5	\$3,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
Plaster	50%	Now	\$7,700	LIFE	**	5	\$3,600	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor, Apparatus Area</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2039	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Under Construction	100%							

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2029	\$4,900	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								

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. 246/LADDER CO. 169**  
**Asset # : 13136**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
<i>Enclosure Corroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : Basement</i>								
Raceway								
Conduit	100%			2029	\$32,000	1		
Panelboards								
Molded Case Bkrs	50%			2037	**	5	\$100	
Molded Case Bkrs	50%			2028	\$19,700	5	\$100	
Wiring								
Braided Cloth	50%	2-4	\$14,200	2054	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	50%			2039	**	1		
<b>Ground</b>								
Grounding Devices								
Generic	100%	0-2	\$9,700	LIFE	**	5	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<b>Lighting</b>								
Interior Lighting								
Fluorescent	98%			2034	**	10	\$6,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	2%			2029	\$400	10	\$100	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lounge Area</i>								
Exterior Lighting								
HID	25%			2029	\$7,200	10		
No Component	75%							
<b>Alarm</b>								
Security System								
No Component	90%							
Generic	10%			2029	\$2,300	1	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Only</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2055	**	1		

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 246/LADDER CO. 169**

**Asset # : 13136**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Hot Water Boiler	100%			2046	**	1	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Boiler</i>								
Distribution								
Hot Wtr Piping/Pump	100%	0-2	\$200	2037	**	4	\$400	
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Terminal Devices								
Convactor/Radiator	80%	0-2	\$1,500	2027	\$30,600	1	\$1,700	
<i>Damaged, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Convactor covers, Various locations</i>								
Fan Coil Unit/Heat	20%			2037	**	1	\$500	
Air Conditioning								
Energy Source								
Electricity	100%			2051	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2024	\$7,400	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$700	
No Component	90%							
Exhaust Fans								
Roof	10%			2037	**	2		
Wall Unit	25%			2029	\$600	2	\$100	
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	80%			2039	**	1		
Galvanized Steel	20%			2027	\$6,300	1		
Water Heater								
Gas Fired	100%			2027	\$4,400	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2022	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 246/LADDER CO. 169**

**Asset # : 13136**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Chemical System							
	Generic	100%			2022	\$26,700	1-3	\$4,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Kitchen</i> <i>Explanation : 1 Set</i>								

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 247  
**Address** : 1336 60th STREET BTWN 13TH AVE - 14TH AVE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.247 / 13137 **Yr Built/Renovated** : 1897 /  
**Area Sq Ft** : 5,356 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 14-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5719 **Lot** : 22 **BIN** : 3141309

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$140,800	
Mechanical	\$39,500	
<b>Total</b>	<b>\$180,300</b>	
Importance Code A	\$180,300	
<b>Total</b>	<b>\$180,300</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$69,900		\$500	
Interior Architecture	\$39,800		\$300	
Electrical	\$14,200			
Mechanical	\$2,100	\$600	\$500	\$400
Site Enclosure	\$2,900			
Site Pavements	\$2,900			
<b>Total</b>	<b>\$131,700</b>	<b>\$600</b>	<b>\$1,200</b>	<b>\$500</b>
Importance Code A	\$69,900	\$300	\$700	\$300
Importance Code B	\$35,200	\$300	\$500	\$200
Importance Code C	\$26,700			
<b>Total</b>	<b>\$131,700</b>	<b>\$600</b>	<b>\$1,200</b>	<b>\$500</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**  
**ENGINE CO. 247**  
**Asset # : 13137**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%	Now	\$6,300	LIFE	**	5	\$5,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Facade</i>								
Copper/Terne	2%			2049	**	10	\$700	
Masonry: Brick	20%	Now	\$28,300	LIFE	**	5	\$3,000	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Main Facade</i>								
Masonry: Brick	63%			LIFE	**	5	\$19,100	
Wood Overhead Doors	10%			2034	**	5	\$7,600	
Windows								
Aluminum	100%			2037	**	5	\$900	
Parapets								
Cast Stone/Terra Cotta	5%	Now	\$600	LIFE	**	5	\$400	
<i>Open Joints, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	95%			LIFE	**	5-10	\$6,100	
Roof								
Asphalt Shingle	10%	Now	\$2,900	2044	**			1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Built-Up (BUR)	70%	2-4	\$79,200	2039	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Into 2nd Floor Toilet</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Modified Bitumen	15%	0-2	\$17,000	2039	**			1
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%	0-2	\$61,600	2059	**			
<i>Unit Inoperable, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$13,000	
Ceramic Tile	5%			2044	**	5	\$400	
Quarry Tile	5%			2042	**	5	\$600	
Wood	50%			2044	**	5	\$7,000	

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 247**  
**Asset # : 13137**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Masonry: Brick	40%	Now	\$16,200	LIFE		**		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Metal Panel	10%	0-2	\$700	LIFE		**		
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	45%	Now	\$1,900	LIFE		**	5	\$1,400
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood	5%			LIFE		**	5	\$4,100
Ceilings								
AcousTileSusp.Lay-In	5%			2034		**	5	\$400
Embossed Metal	50%	4+	\$8,300	LIFE		**	5	\$1,700
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	15%			LIFE		**	5-10	\$1,400
Gypsum Board	5%	Now	\$400	LIFE		**	5	\$500
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor Toilet</i>								
Plaster	25%	0-2	\$2,500	LIFE		**	5	\$1,200
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	50%	2-4	\$2,900	2039		**		
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Iron Picket	50%			2064		**		
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042		**		
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$2,900	2042		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Rear Yard And Walkway Along Side Of Building</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2042		**		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 247**  
**Asset # : 13137**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2029	\$4,900	5		
Raceway								
Conduit	100%			2029	\$32,000	1		
Panelboards								
Fused Knife Sw	80%			2028	\$31,500	5	\$100	
Molded Case Bkrs	20%			2037	**	5		
Wiring								
Thermoplastic	100%			2039	**	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5		
<b>Ground</b>								
Grounding Devices								
Generic	100%	0-2	\$9,700	LIFE	**	5	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Water Main</i>					
<b>Lighting</b>								
Interior Lighting								
Fluorescent	30%	Now	\$4,500	2039	**			
			<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Area</i>					
Fluorescent	70%			2034	**	10	\$3,400	
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st And 2nd Floor</i>					
Egress Lighting								
Exit, Service	100%			2024	\$600	1		
Exterior Lighting								
HID	100%			2024	\$20,600	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	\$39,500	2049	**	1	\$2,400	
			<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One Unit</i>					
Distribution								
Hot Wtr Piping/Pump	100%			2037	**	4	\$400	

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. 247**  
**Asset # : 13137**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
	Terminal Devices							
	Convactor/Radiator	100%			2034	**	1	\$1,700
<b>Air Conditioning</b>								
	Energy Source							
	Electricity	100%			2045	**	1	
	Conversion Equipment							
	Window/Wall Unit	70%			2027	\$7,500	1	
	No Component	30%						
<b>Plumbing</b>								
	H/C Water Piping							
	Galvanized Steel	100%			2027	\$22,500	1	
	Water Heater							
	Gas Fired	100%			2024	\$3,100	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Two 74 Gallon Units</i>				
	Sanitary Piping							
	Cast Iron	100%	Now	\$1,900	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 50%</i>				
				<i>Location : Engine Bay Drains</i>				
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						
				<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 40%</i>				
				<i>Location : Bathrooms And Kitchen</i>				

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 248 (COMBINED FACILITY)  
**Address** : 2900 SNYDER AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.248 / 13138 **Yr Built/Renovated** : 1972 /  
**Area Sq Ft** : 7,484 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 29-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5111 **Lot** : 24 **BIN** : 3117400

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$67,700	\$65,200
<b>Total</b>	<b>\$67,700</b>	<b>\$65,200</b>
Importance Code A	\$67,700	\$65,200
<b>Total</b>	<b>\$67,700</b>	<b>\$65,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$31,100	\$300	\$4,800	
Interior Architecture	\$23,300	\$4,300		\$3,600
Electrical	\$800			
Mechanical	\$2,900	\$500	\$1,200	\$300
Site Pavements	\$600			
<b>Total</b>	<b>\$58,600</b>	<b>\$5,100</b>	<b>\$6,000</b>	<b>\$3,900</b>
Importance Code A	\$31,100	\$300	\$4,800	
Importance Code B	\$22,700	\$4,800	\$1,200	\$3,500
Importance Code C	\$4,900			\$400
<b>Total</b>	<b>\$58,600</b>	<b>\$5,100</b>	<b>\$6,000</b>	<b>\$3,900</b>



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. 248 (COMBINED FACILITY)**

**Asset # : 13138**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	2%			LIFE	**	5	\$5,400	
Masonry: Brick	17%			LIFE	**	5	\$9,100	
Metal Sect. OHD	6%	0-2	\$10,200	2042	**	5	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Of Building</i>								
<i>Explanation : Overhead Door Is Fiberglass. Hardware, Springs, Chains And Locks Breakdown Frequently</i>								
Pre-Cast Concrete	75%	Now	\$67,700	LIFE	**	5	\$65,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Column At Front Facade</i>								
Windows								
Aluminum	100%			2051	**	5	\$700	
Parapets								
Cast in Place Concrete	75%			LIFE	**	5	\$27,200	
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Rail	25%			2042	**	5-10	\$7,900	
Roof								
Built-Up (BUR)	100%			2034	**	10	\$12,300	
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$19,100	
Ceramic Tile	50%			2038	**	5	\$6,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Terrazzo	10%			LIFE	**	5	\$2,000	
Vinyl Tile	5%	Now	\$2,200	2034	**	3	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
Interior Walls								
Ceramic Tile	10%			2038	**	5	\$900	
Gypsum Board	5%			LIFE	**	5-10	\$700	
Plaster	45%			LIFE	**	5-10	\$3,300	
SGFT/Glazed Masonry	40%			LIFE	**	10	\$1,700	
Ceilings								
AcousTileConcealSpLn	55%			2046	**	5	\$8,600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 90%</i>								
<i>Location : 2nd Floor</i>								
Exposed Concrete	40%			LIFE	**	5-10	\$6,300	
Metal Panel	5%			LIFE	**	5	\$1,600	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	**			
Site Pavements								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 248 (COMBINED FACILITY)**  
**Asset # : 13138**

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

## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%			2042	**			
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## On-Site Walkways

Asphalt	100%	Now	\$600	2038	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 50%**Location : Throughout*

## Parking/Driveway

Cast in Place Concrete	100%			2042	**			
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<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Under 600 Volts

## Raceway

Conduit	100%			2029	\$32,000	1		
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## Panelboards

Molded Case Bkrs	100%			2045	**	5	\$200	
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*Recent Replace Evident, Extent : Light, Area Affected : 100%**Location : Throughout Building*

## Wiring

Thermoplastic	100%			2049	**	1		
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## Lighting

## Interior Lighting

Fluorescent	90%			2037	**	10	\$6,200	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor**Explanation : T-8 Lamps*

Fluorescent	10%			2024	\$2,100	10	\$700	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Stair And 1st Floor Kitchen**Explanation : T-12 Lamps*

## Egress Lighting

Exit, Service	100%			2034	**	1		
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*Not Functioning, Extent : Moderate, Area Affected : 100%**Location : Throughout*

## Exterior Lighting

HID	100%			2024	\$28,800	10		
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<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## 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. 248 (COMBINED FACILITY)**

**Asset # : 13138**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement Of Precinct</i>								
<i>Explanation : Located In Adjacent 67th Police Precinct</i>								
Conversion Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement Of Precinct</i>								
<i>Explanation : Heating Unit Located In Adjacent 67th Police Precinct</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2037	**	4	\$600	
Terminal Devices								
Convactor/Radiator	80%			2034	**	1	\$1,900	
Unit Heater - Steam	10%			2029	\$2,600	4	\$100	
No Component	10%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Locker Room</i>								
<i>Explanation : No Heating Device</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Split Unit	30%			2037	**			
Window/Wall Unit	50%			2024	\$7,500	1		
No Component	20%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Air Conditioning In Locker Room</i>								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2	\$2,400	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	90%			LIFE	**	2-5	\$5,900	
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
No Component	10%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Air Ventilation In Locker Room</i>								
Exhaust Fans								
Interior	30%			2029	\$7,600	2	\$100	
Roof	70%			2037	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 248 (COMBINED FACILITY)**  
**Asset # : 13138**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Water Heater Electric	100%			2029	\$6,300	4	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Two 120-gallon Unit Heaters</i>								
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Backflow Preventer Not Accessible	100%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Precinct Basement</i>								
<i>Explanation : Water Main Is Located In Adjacent Police Precinct</i>								
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
	Chemical System Wet	2%			2024	\$500	1-3	\$100
	No Component	98%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 249/LADDER CO. 113  
**Address** : 491 ROGERS AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.249 / 13139 **Yr Built/Renovated** : 1896 / 2007  
**Area Sq Ft** : 4,800 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 29-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 5033 **Lot** : 4 **BIN** : 3114990

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$60,200	
Electrical		\$31,500
<b>Total</b>	<b>\$60,200</b>	<b>\$31,500</b>
Importance Code A	\$60,200	
Importance Code B		\$31,500
<b>Total</b>	<b>\$60,200</b>	<b>\$31,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$42,200			
Interior Architecture	\$59,300			\$1,000
Electrical	\$10,300	\$100	\$100	\$100
Mechanical	\$1,900	\$600	\$2,000	\$500
Site Enclosure				
Site Pavements	\$4,500			
<b>Total</b>	<b>\$118,300</b>	<b>\$700</b>	<b>\$2,000</b>	<b>\$1,600</b>
Importance Code A	\$42,400	\$200	\$200	\$200
Importance Code B	\$48,400	\$400	\$1,800	\$1,100
Importance Code C	\$27,400			\$300
<b>Total</b>	<b>\$118,300</b>	<b>\$700</b>	<b>\$2,000</b>	<b>\$1,600</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 249/LADDER CO. 113**

**Asset # : 13139**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	20%			LIFE	**	5	\$6,500	
<i>Efflorescence, Extent : Light, Area Affected : 20%</i>								
<i>Location : Rear Of Buliding</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Third Floor</i>								
<i>Explanation : A Third Floor Was Added In 1998</i>								
Masonry: Brick	60%	Now	\$60,200	LIFE	**	5	\$9,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : South Facade Near Rear Door And Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Lower Section Of South Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Lower Section Of South Facade</i>								
Masonry: Limestone	10%			LIFE	**	5	\$2,400	
Slate Panels	3%	Now	\$13,000	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Base Of Front Facade</i>								
Wood Overhead Doors	7%			2034	**	5	\$5,700	
Windows								
Aluminum	100%			2045	**	5	\$400	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$1,800	
Masonry: Brick	90%	Now	\$3,300	LIFE	**	5	\$600	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	100%	Now	\$19,800	2034	**			
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Locker Room And Weight Room</i>								
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$13,900	
Ceramic Tile	10%			2038	**	5	\$700	
Quarry Tile	5%	2-4	\$10,300	2049	**	5	\$300	
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	40%	Now	\$12,200	2034	**	3	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 249/LADDER CO. 113**  
**Asset # : 13139**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Interior									
Interior Walls									
Ceramic Tile	10%			2038	**	5	\$500		
Concrete Masonry Unit	10%			LIFE	**	5	\$400		
Gypsum Board	45%			LIFE	**	5-10	\$4,000		
Masonry: Brick	20%	Now	\$20,900	LIFE	**				
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>									
<i>Location : Basement</i>									
<i>Paint Peeling, Extent : Severe, Area Affected : 75%</i>									
<i>Location : Basement</i>									
<i>Spalling, Extent : Severe, Area Affected : 30%</i>									
<i>Location : Basement</i>									
Plaster	15%	Now	\$300	LIFE	**	5	\$200		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Locker Room</i>									
Ceilings									
AcousTileSusp.Lay-In	10%			2034	**	5	\$700		
Embossed Metal	20%			LIFE	**	5	\$1,300		
Exposed Struc: Steel	20%			LIFE	**	10	\$2,800		
Plaster	50%	Now	\$2,400	LIFE	**	5	\$2,200		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>									
<i>Location : Locker Room And Weight Room</i>									
Site Enclosure									
Fence/Gates									
Aluminum Rail	5%			2034	**	5-10	\$300		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Roof Level</i>									
<i>Explanation : Rail At Roof Level</i>									
Chain Link	45%			2049	**				
Iron Picket	5%			2064	**				
Wood	45%			2030	**				
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%	Now	\$1,100	2042	**				
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
On-Site Walkways									
Cast in Place Concrete	100%			2042	**				
Parking/Driveway									
Cast in Place Concrete	100%	Now	\$3,400	2042	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Front Of Building</i>									

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 249/LADDER CO. 113**  
**Asset # : 13139**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2039	**	5		
Switchgear / Switchboard								
Fused Disc Sw	100%			2039	**	5		
Raceway								
Conduit	80%			2039	**	1		
Conduit	20%			2039	**	1		
Panelboards								
Molded Case Bkrs	80%			2028	\$31,500	5	\$100	
Molded Case Bkrs	20%			2045	**	5		
Wiring								
Thermoplastic	80%			2049	**	1		
Not Accessible	20%							
Motor Controllers								
Locally Mounted	100%			2034	**	5		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Near Water Service.</i>								
<i>Explanation : Recently Installed Ground For Main Service.</i>								
<b>Lighting</b>								
Interior Lighting								
LED	100%			2034	**			
Egress Lighting								
Exit, LED	90%			2057	**	1		
Exit, Service	10%	Now	\$100	2039	**	1		
<i>Not Functioning, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : First Floor Exit Lights Are Not Operational.</i>								
Exterior Lighting								
HID	100%			2029	\$18,500	10		
<b>Alarm</b>								
Fire/Smoke Detection								
No Component	80%							
Generic, Analog	20%	Now	\$10,100	2039	**	1-3	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Not Functional</i>								

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

**Heating**

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 249/LADDER CO. 113**  
**Asset # : 13139**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Furnace	60%			2029	\$6,500	1	\$1,400	
		<i>Other Observation, Extent : Light, Area Affected : 60%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 3 Rooftop Package Units</i>						
Hot Water Boiler	40%			2042	**	1	\$1,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	40%			2045	**	4	\$100	
No Component	60%							
Terminal Devices								
Convactor/Radiator	30%			2034	**	1	\$500	
Unit Heater - Steam	10%			2029	\$1,600	4	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Unit Heaters Serve Truck Bays</i>						
No Component	60%							
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	60%			2029	\$34,500	2	\$200	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 60%</i>						
		<i>Location : Roof</i>						
		<i>Other Observation, Extent : Light, Area Affected : 60%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 3 Rooftop Package Units</i>						
Window/Wall Unit	20%			2024	\$1,900	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$7,800	
<b>Ventilation</b>								
Exhaust Fans								
Roof	100%			2029	\$7,600	2	\$100	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	100%			2027	\$2,800	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 74 Gallons Each</i>						

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 249/LADDER CO. 113**  
**Asset # : 13139**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%			2034	**	4	\$100
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Sprinkler							
	Generic	100%			2039	**	1-2	\$1,400
	Chemical System							
	Wet	2%			2027	\$500	1-3	\$100
	No Component	98%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 250  
**Address** : 126 FOSTER AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.250 / 13140 **Yr Built/Renovated** : 1927 / 2012  
**Area Sq Ft** : 4,930 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 14-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 6499 **Lot** : 11 **BIN** : 3170273

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$26,900		\$2,000	
Interior Architecture	\$20,400		\$900	\$500
Electrical	\$1,600		\$100	
Mechanical	\$5,100	\$800	\$700	\$700
Site Pavements	\$10,800			
<b>Total</b>	<b>\$64,800</b>	<b>\$800</b>	<b>\$3,600</b>	<b>\$1,200</b>
Importance Code A	\$27,400	\$500	\$2,500	\$500
Importance Code B	\$20,000	\$300	\$800	\$700
Importance Code C	\$17,400		\$300	
<b>Total</b>	<b>\$64,800</b>	<b>\$800</b>	<b>\$3,600</b>	<b>\$1,200</b>



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. 250**  
**Asset # : 13140**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	88%			LIFE	**	5	\$44,300	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : East And West Facades</i>								
Masonry: Granite	2%			LIFE	**	5	\$800	
Masonry: Limestone	5%			LIFE	**	5	\$1,900	
Metal Sect. OHD	5%			2042	**	5	\$3,900	
<b>Windows</b>								
Aluminum	100%			2045	**	5	\$1,900	
<b>Parapets</b>								
Masonry: Brick	87%	0-2	\$1,900	LIFE	**	5	\$1,600	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	3%			LIFE	**	5-10	\$700	
Metal Panel	10%			2049	**	5	\$700	
<b>Roof</b>								
Modified Bitumen	98%			2034	**	10	\$7,400	
Skylight, Metal/Glass	2%			2039	**	10	\$500	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	50%	Now	\$2,100	LIFE	**	5	\$8,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2038	**	5	\$400	
Quarry Tile	10%			2042	**	5	\$1,200	
Terrazzo	5%			LIFE	**	5	\$600	
Vinyl Tile	30%	Now	\$2,100	2029	\$20,700	3	\$900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<b>Interior Walls</b>								
Ceramic Tile	5%			2032	**	5	\$500	
Gypsum Board	10%			LIFE	**	5-10	\$1,900	
Masonry: Brick	35%			LIFE	**	10	\$1,200	
Marble Panels	5%			LIFE	**	10	\$200	
Plaster	45%	Now	\$4,000	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations 2nd Floor</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%			2034	**	5	\$400	
Exposed Concrete	45%			LIFE	**	5-10	\$4,500	
Plaster	50%	Now	\$5,300	LIFE	**	5	\$2,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations 2nd Floor, Roof Access</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2049	**			

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 250**  
**Asset # : 13140**

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

## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%			2042	**			
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## On-Site Walkways

Cast in Place Concrete	100%	Now	\$10,800	2042	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 25%**Location : Throughout*

## Parking/Driveway

Cast in Place Concrete	100%			2042	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2029	\$4,900	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%			2029	\$32,000	1		
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## Panelboards

Fused Disc Sw	10%			2028	\$3,900	5		
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Molded Case Bkrs	90%			2037	**	5	\$100	
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## Wiring

Thermoplastic	100%			2039	**	1		
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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## Lighting

## Interior Lighting

Fluorescent	70%			2037	**	10	\$3,200	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : T-8 Lamps*

HID	30%			2034	**	10		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor**Explanation : LED*

## Exterior Lighting

HID	100%			2029	\$19,000	10		
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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. 250**  
**Asset # : 13140**

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

**Alarm**

## Security System

No Component

90%

Generic

10% Now

\$1,500

2039

\* \*

1

\$200

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement.**Explanation : Water Penetrates The Basement Area Through The Communications Conduit.*

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

**Heating**

## Energy Source

Natural Gas

100%

2055

\* \*

1

## Conversion Equipment

Steam Boiler

100%

2046

\* \*

1

\$4,900

*Recent Installation, Extent : Light, Area Affected : 100%**Location : Basement*

## Distribution

Central Plant Steam Piping/Pmp

100%

2049

\* \*

4

\$400

## Terminal Devices

Convactor/Radiator

80%

2034

\* \*

1

\$1,300

Fan Coil Unit/Heat

20%

2024

\$14,100

1

\$300

**Air Conditioning**

## Energy Source

Electricity

100%

2037

\* \*

1

## Conversion Equipment

Window/Wall Unit

50%

2024

\$4,900

1

No Component

50%

**Ventilation**

## Exhaust Fans

Roof

10%

2034

\* \*

2

Wall Unit

20%

2029

\$300

2

No Component

70%

**Plumbing**

## H/C Water Piping

Brass/Copper

100%

2039

\* \*

1

## Water Heater

Gas Fired

100%

2027

\$2,900

2

\$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Unit Insufficient For Building*

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 250**  
**Asset # : 13140**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Plumbing</b>								
HW Heat Exchanger HTHW/HW	100%	0-2	\$4,100	2049	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof And Basement</i>								
<i>Explanation : This Is A Solar Powered Heat Exchanger. Not Properly Heating Water</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%	0-2	\$200	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
Sump Pump(s) Submersible	100%	0-2	\$200	2024	\$200	4	\$100	
<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<b>Fixtures</b>								
Generic	100%							
<b>Fire Suppression</b>								
Chemical System Wet	2%			2027	\$500	1-3	\$100	
No Component	98%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 6,110 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 05-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 8691 **Lot** : 13 **BIN** : 4177508

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$216,300	
Interior Architecture	\$84,500	\$45,500
<b>Total</b>	<b>\$300,800</b>	<b>\$45,500</b>
Importance Code A	\$216,300	
Importance Code B		\$45,500
Importance Code C	\$84,500	
<b>Total</b>	<b>\$300,800</b>	<b>\$45,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$28,400		\$6,600	\$900
Interior Architecture	\$26,000			\$900
Electrical	\$16,400	\$400	\$400	\$400
Mechanical	\$50,500	\$1,100	\$900	\$800
<b>Total</b>	<b>\$121,400</b>	<b>\$1,500</b>	<b>\$7,900</b>	<b>\$3,000</b>
Importance Code A	\$29,000	\$600	\$7,200	\$1,500
Importance Code B	\$87,400	\$900	\$700	\$1,500
Importance Code C	\$5,000			
<b>Total</b>	<b>\$121,400</b>	<b>\$1,500</b>	<b>\$7,900</b>	<b>\$3,000</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**  
**ENGINE CO. 251**  
**Asset # : 13141**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$172,600	LIFE	**	5	\$18,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Rear Facade, Bulkhead</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bulkhead</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rear Facade And Facade Along 255th Street</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Weeps In Exterior Brick Masonry</i>								
Masonry: Limestone	3%	Now	\$1,500	LIFE	**	5	\$500	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Above Overhead Door</i>								
Wood Overhead Doors	12%			2032	**	5	\$13,200	
Windows								
Aluminum	100%			2043	**	5	\$1,700	
Parapets								
Masonry: Brick	90%	Now	\$43,700	LIFE	**	5	\$2,500	1
<i>Horizontal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Interior Face</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout Interior And Exterior Face Of Front Facade And Facade Along 255th Street</i>								
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Interior Face</i>								
Masonry: Limestone	10%	Now	\$1,500	LIFE	**	5	\$300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout At Coping Joints</i>								
Roof								
Modified Bitumen	95%	Now	\$25,500	2032	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Upper And Lower Roof</i>								
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second Floor</i>								
Skylight, Metal/Glass	5%			2037	**	10	\$1,600	
Interior								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 251**  
**Asset # : 13141**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	30%			LIFE	**	5	\$6,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Apparatus Floor On Jacks</i>								
Ceramic Tile	5%	Now	\$500	2030	**	5	\$200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Mens Shower (2nd Floor) Missing Tiles</i>								
Panel/Paver: Cer/Brk	2%			2043	**	5	\$400	
Quarry Tile	3%			2040	**	5	\$400	
Vinyl Tile	55%	4+	\$4,600	2027	\$45,500	3	\$2,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Corridor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
Wood	5%			2055	**	5	\$900	
<b>Interior Walls</b>								
Ceramic Tile	5%			2030	**	5	\$700	
Plaster	20%	Now	\$4,700	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor At Front Office And Weight Room And Hose Tower</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Dormitory And Locker East Wall At Windows And Hose Tower</i>								
SGFT/Glazed Masonry	75%	Now	\$84,500	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Stairwell Midlanding B/w 1st And 2nd Floor</i>								
<i>Diagonal Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Bathroom</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
Exposed Concrete	30%			LIFE	**	5	\$400	
Gypsum Board	10%			LIFE	**	5	\$1,200	
Plaster	60%	Now	\$15,300	LIFE	**	5	\$3,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Under Basement Stair, Garage Area</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Garage Area, Along 255th Street</i>								

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

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. 251**  
**Asset # : 13141**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
Service Equipment								
	Fused Disc Sw	100%			2047	**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
<b>Raceway</b>								
	Conduit	95%			2027	\$30,400	1	
	Conduit	5%	4+		2037	**	1	
<i>Covers Missing, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Basement And Stairwell</i>								
<b>Panelboards</b>								
	Molded Case Bkrs	100%			2035	**	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor And Bunk Room</i>								
<i>Explanation : Insufficient Receptacles</i>								
<b>Wiring</b>								
	Braided Cloth	50%	2-4	\$14,200	2052	**	1	
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
	Thermoplastic	45%			2037	**	1	
	Thermoplastic	5%			2047	**	1	
<b>Motor Controllers</b>								
	Locally Mounted	100%			2025	\$14,700	5	
<b>Ground</b>								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
<b>Stand-by Power</b>								
Transfer Switches								
	Automatic	100%			2040	**	1	\$1,900
<b>Generators</b>								
	Diesel	100%			2036	**	1	\$2,400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 40 Kva</i>								
<b>Batteries</b>								
	Not Accessible	100%						
<b>Fuel Storage</b>								
	Main Tank	100%			2055	**	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard Intergral With Generator</i>								
<i>Explanation : 125 Gallons</i>								
<b>Lighting</b>								

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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. 251**  
**Asset # : 13141**

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

## Lighting

Interior Lighting  
Fluorescent

97% Now \$1,600 2027 \$16,400  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Throughout*  
*Explanation : T-8 Lamps*

Incandescent

3% 2027 \$1,200 2

Egress Lighting

Emergency, Service

100% 2027 \$3,100 1

Exterior Lighting

HID

100% 2027 \$23,500 10

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

## Heating

Energy Source

Natural Gas

100% 2047 \* \* 1

Conversion Equipment

Steam Boiler

100% 2040 \* \* 1 \$6,100  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Basement*  
*Explanation : One Unit*

Distribution

Central Plant Steam

Piping/Pmp

100% Now \$4,900 2047 \* \* 4 \$300  
*Corroded, Extent : Moderate, Area Affected : 20%*  
*Location : Basement And First Floor*

Terminal Devices

Convactor/Radiator

10% Now \$300 2040 \* \* 1 \$200  
*Leak Evident, Extent : Moderate, Area Affected : 10%*  
*Location : 2nd Floor Landing And Weight Room*  
*Unit Inoperable, Extent : Light, Area Affected : 10%*  
*Location : Dining Room*

Convactor/Radiator

90% 0-2 \$28,100 2047 \* \* 1 \$1,600  
*Corroded, Extent : Moderate, Area Affected : 100%*  
*Location : Throughout*

## Air Conditioning

Energy Source

Electricity

100% 2043 \* \* 1

Conversion Equipment

Window/Wall Unit

100% 2020 \$12,200 1

## 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. 251**  
**Asset # : 13141**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Interior	90%			2032	**	2	\$200	
Wall Unit	10%			2032	**	2		
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Kitchen Hood Fan And Apparatus Floor</i>						
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2040	**	1		
Water Heater								
Gas Fired	100%			2025	\$3,600	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 74 Gallon</i>						
Sanitary Piping								
Cast Iron	100%	Now	\$4,300	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : By House Trap When It Rains</i>						
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2021	\$200	4	\$200	
Backflow Preventer								
No Component	80%							
Generic	20%			2032	**	1	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : For Boiler Intake Only</i>						
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	5%			2025	\$1,300	1-3	\$200	
No Component	95%							

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

Estimates are rounded to the nearest hundred dollars.

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 253  
**Address** : 2429 86th STREET  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.253 / 13143 **Yr Built/Renovated** : 1895 / 2006  
**Area Sq Ft** : 5,776 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 10-May-2018 **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** : Basement, Roof, Floors 1,2,Att  
**Block** : 6859 **Lot** : 65 **BIN** : 3185380

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$47,300	
Electrical		\$36,500
<b>Total</b>	<b>\$47,300</b>	<b>\$36,500</b>
Importance Code A	\$47,300	
Importance Code B		\$36,500
<b>Total</b>	<b>\$47,300</b>	<b>\$36,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$20,500			\$700
Interior Architecture	\$58,200	\$200		\$300
Electrical	\$100			\$100
Mechanical	\$900	\$800	\$800	\$800
Site Pavements	\$5,500			
<b>Total</b>	<b>\$85,200</b>	<b>\$1,000</b>	<b>\$800</b>	<b>\$1,900</b>
Importance Code A	\$21,100	\$600	\$600	\$1,300
Importance Code B	\$38,900	\$400	\$200	\$500
Importance Code C	\$25,200			
<b>Total</b>	<b>\$85,200</b>	<b>\$1,000</b>	<b>\$800</b>	<b>\$1,900</b>



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**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Exposed Struc: Steel	2%			LIFE	**	5	\$2,300	
Masonry: Brick	78%	Now	\$47,300	LIFE	**	5	\$14,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Above Apparatus Door</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : North And East Elevations</i>								
Masonry: Brownstone	5%	Now	\$9,500	LIFE	**	5	\$700	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Above Apparatus Door</i>								
Wood Overhead Doors	15%			2034	**	5	\$13,500	
Windows								
Wood	100%			2045	**	5	\$9,900	
Parapets								
Cast Stone/Terra Cotta	40%			LIFE	**	5-10	\$6,800	
Metal Panel	60%			2049	**	5	\$1,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Lower Roof</i>								
<i>Explanation : Stainless Steel Flashing At Lower Roof</i>								
Roof								
Asphalt Shingle	65%			2038	**	10	\$1,200	
Cement-Fiber Panel	20%			2038	**	5	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roofing At The Front Section Of The Building</i>								
<i>Explanation : Decorative Cementitious Tilerooting</i>								
Modified Bitumen	15%			2034	**	10	\$1,600	
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$11,400	LIFE	**	5	\$10,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	15%	Now	\$1,300	2032	**	5	\$600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Recent Replace Evident, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	25%	Now	\$9,700	2034	**	3	\$800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Kitchen Section Replaced With Ceramic Tile</i>								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 253**  
**Asset # : 13143**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	10%	Now	\$6,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement Walls</i>								
Ceramic Tile	5%			2044	**	5	\$500	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Toilets And Kitchen</i>								
Concrete Masonry Unit	15%			LIFE	**	5	\$1,100	
Gypsum Board	10%	Now	\$400	LIFE	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	10%	0-2	\$2,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	35%	Now	\$3,000	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement, Basement Stairway And Other Areas Throughout</i>								
Wood	15%	0-2	\$7,000	LIFE	**	5	\$5,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Of Apparatus Area</i>								
<i>Deteriorated Finish, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2046	**	5	\$400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
Embossed Metal	30%	Now	\$3,000	LIFE	**	5	\$1,100	
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	30%	Now	\$8,800	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Gypsum Board	10%	Now	\$1,900	LIFE	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
Metal Panel	5%			LIFE	**	5	\$1,000	
Plaster	20%			LIFE	**	5-10	\$2,800	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 253**  
**Asset # : 13143**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%	Now	\$4,900	2042		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%	Now	\$600	2042		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2029	\$5,400	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
<b>Raceway</b>								
Conduit	100%			2029	\$34,900	1		
<b>Panelboards</b>								
Fused Disc Sw	15%			2028	\$6,400	5		
Molded Case Bkrs	85%			2028	\$36,500	5	\$100	
<b>Wiring</b>								
Thermoplastic	100%			2029	\$30,900	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2027	\$16,000	5		
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE		**	5	\$200
<i>Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	15%			2037		**	10	\$800
Fluorescent	85%			2034		**	10	\$4,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
<b>Egress Lighting</b>								
Emergency, Service	100%			2034		**	1	
<b>Exterior Lighting</b>								
HID	100%			2024	\$24,300		10	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 253**  
**Asset # : 13143**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2039	**	1		
Conversion Equipment								
Steam Boiler	100%			2034	**	1	\$5,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%			2039	**			
Terminal Devices								
Convactor/Radiator	100%			2027	\$32,200	1	\$1,900	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Split Unit	10%			2034	**			
Window/Wall Unit	50%			2024	\$6,300	1		
No Component	40%							
Terminal Devices								
No Component	90%							
No Component	10%							
<b>Ventilation</b>								
Exhaust Fans								
Wall Unit	25%			2029	\$500	2		
No Component	75%							
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	100%			2024	\$3,700	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units at 75 Gallons Each</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$200	4	\$200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Backflow Preventer								
No Component	95%							
Generic	5%			2029	\$100	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : For Boiler Feed Only</i>								

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Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 253**  
**Asset # : 13143**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
Fixtures								
Generic		100%						
Fire Suppression								
Chemical System								
Wet		2%			2024	\$600	1-3	\$100
No Component		98%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 254/LADDER CO. 153  
**Address** : 901 AVENUE U @ E. 9TH ST.  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.254 / 13144 **Yr Built/Renovated** : 1924 /  
**Area Sq Ft** : 5,376 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 10-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 7112 **Lot** : 49 **BIN** : 3192210

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Electrical		\$39,400
<b>Total</b>		<b>\$39,400</b>
Importance Code B		\$39,400
<b>Total</b>		<b>\$39,400</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$77,300			
Interior Architecture	\$122,100		\$300	\$400
Electrical	\$800			\$100
Mechanical	\$2,500	\$800	\$1,100	\$900
Site Pavements	\$16,100			
<b>Total</b>	<b>\$218,700</b>	<b>\$800</b>	<b>\$1,400</b>	<b>\$1,400</b>
Importance Code A	\$77,800	\$500	\$500	\$500
Importance Code B	\$104,200	\$200	\$600	\$800
Importance Code C	\$36,800		\$300	
<b>Total</b>	<b>\$218,700</b>	<b>\$800</b>	<b>\$1,400</b>	<b>\$1,400</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**  
**ENGINE CO. 254/LADDER CO. 153**  
**Asset # : 13144**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%			LIFE	**	5	\$28,800	
<i>Paint Peeling, Extent : Light, Area Affected : 50%</i>								
<i>Location : Rear Elevation</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Elevation</i>								
Masonry: Granite	5%	Now	\$10,200	LIFE	**	5	\$600	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%	Now	\$9,400	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	5%	4+	\$27,300	2049	**	5	\$2,100	
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Door</i>								
Windows								
Aluminum	98%			2054	**	5	\$1,700	
Metal Louvers	2%	Now	\$300	2044	**			
<i>Deformed/Dented, Extent : Light, Area Affected : 25%</i>								
<i>Location : Louver</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$5,700	
<i>Recent Repair Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	80%			LIFE	**	5-10	\$10,900	
<i>Recent Repair Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%			LIFE	**	5-10	\$2,400	
Roof								
Modified Bitumen	100%			2037	**	10	\$7,900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 254/LADDER CO. 153**  
**Asset # : 13144**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$12,800	LIFE	**	5	\$8,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	10%	Now	\$1,600	2032	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
Terrazzo	2%			LIFE	**	5	\$300	
Vinyl Tile	28%	0-2	\$19,500	2039	**	3	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Vinyl Tile 9" X 9"	10%	0-2	\$9,000	2039	**	3	\$300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Cast in Place Concrete	20%	Now	\$29,400	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2032	**	5	\$600	
Gypsum Board	10%			LIFE	**	5-10	\$1,900	
Masonry: Brick	30%			LIFE	**	10	\$1,000	
Plaster	30%	Now	\$2,800	LIFE	**	5	\$1,000	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
Wood	5%			LIFE	**	5	\$4,600	
Ceilings								
AcousTileSusp.Lay-In	30%	Now	\$1,900	2049	**	5	\$1,200	
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Embossed Metal	10%	Now	\$1,400	LIFE	**	5	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Metal Lay-in Ceiling Tile</i>								
Exposed Concrete	25%	Now	\$6,500	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
Gypsum Board	5%			LIFE	**	5-10	\$1,400	
Plaster	30%	Now	\$31,600	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Site Enclosure								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 254/LADDER CO. 153**  
**Asset # : 13144**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Site Enclosure								
Fence/Gates								
Iron Picket	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$16,100	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 25%</i>								
<i>Location : West Side Of The Building</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2034	**			
Parking/Driveway								
Cast in Place Concrete	100%			2042	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2029	\$4,900	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								
Raceway								
Conduit	80%			2029	\$25,600	1		
Conduit	20%			2055	**	1		
Panelboards								
Molded Case Bkrs	100%			2028	\$39,400	5	\$100	
Wiring								
Thermoplastic	80%			2029	\$22,700	1		
Thermoplastic	20%			2055	**	1		
Motor Controllers								
Locally Mounted	100%			2034	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Water Main</i>								
<i>Explanation : Main Water Pipe</i>								
Lighting								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 254/LADDER CO. 153**  
**Asset # : 13144**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	50%			2037	**	10	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	10%			2024	\$1,500	10	\$500	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
LED	40%			2037	**			
<b>Egress Lighting</b>								
Exit, Service	50%			2024	\$300	1		
Exit, Battery	50%			2024	\$1,000	10	\$200	
<b>Exterior Lighting</b>								
HID	100%			2024	\$20,700	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2049	**	1		
<b>Conversion Equipment</b>								
Steam Boiler	100%			2042	**	1	\$5,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Natural Gas Fired Steam Boiler</i>								
<b>Distribution</b>								
Steam Piping/Pump	100%			2039	**			
<b>Terminal Devices</b>								
Convactor/Radiator	100%			2034	**	1	\$1,700	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2045	**	1		
<b>Conversion Equipment</b>								
Exterior Pkg Unit - Cooling	20%			2029	\$8,300	2	\$100	
Window/Wall Unit	60%			2027	\$6,400	1		
No Component	20%							
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,700	
<b>Exhaust Fans</b>								
Roof	30%			2034	**	2	\$100	
Wall Unit	20%			2029	\$400	2		
No Component	50%							

**Plumbing**

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 254/LADDER CO. 153**  
**Asset # : 13144**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	H/C Water Piping Brass/Copper	100%			2049	**	1	
	Water Heater Gas Fired	100%			2027	\$3,100	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 74 Gallon Units</i>							
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Submersible	100%			2023	\$200	4	\$200
	Fixtures Generic	100%						
<b>Fire Suppression</b>								
	Chemical System Wet	2%			2027	\$500	1-3	\$100
	No Component	98%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 255/ LADDER 157  
**Address** : 1367 ROGERS AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.255 / 13145 **Yr Built/Renovated** : 1897 / 2000  
**Area Sq Ft** : 8,453 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 01-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5229 **Lot** : 9 **BIN** : 3120929

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$62,900
Interior Architecture	\$49,900	
Electrical		\$25,600
<b>Total</b>	<b>\$49,900</b>	<b>\$88,500</b>
Importance Code A		\$62,900
Importance Code B	\$49,900	\$25,600
<b>Total</b>	<b>\$49,900</b>	<b>\$88,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$113,400			
Interior Architecture	\$40,400			\$600
Electrical	\$200			\$100
Mechanical	\$1,500	\$1,900	\$15,200	\$1,600
Site Pavements	\$3,000			
<b>Total</b>	<b>\$158,400</b>	<b>\$1,900</b>	<b>\$15,200</b>	<b>\$2,400</b>
Importance Code A	\$114,200	\$800	\$800	\$800
Importance Code B	\$33,500	\$1,100	\$14,300	\$1,500
Importance Code C	\$10,700			
<b>Total</b>	<b>\$158,400</b>	<b>\$1,900</b>	<b>\$15,200</b>	<b>\$2,400</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 255/ LADDER 157**  
**Asset # : 13145**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$36,300	
Masonry: Brick	75%	Now	\$26,800	LIFE	**	5	\$17,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Northeast Corner</i>								
Metal Sect. OHD	10%	4+	\$7,400	2034	**	5	\$3,600	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Apparatus Door</i>								
<i>Explanation : Dents At Lower Interior Sections Of Overhead Door Broken Glazing At Metal Swing Doors At Front</i>								
Wood Overhead Doors	5%	0-2	\$18,700	2034	**	5	\$2,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Glazing In Door</i>								
<i>Not Insulated, Extent : Light, Area Affected : 100%</i>								
<i>Location : West Side</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throught Glazing</i>								
Windows								
Aluminum	100%	Now	\$18,000	2037	**	5	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Side 1st And 2nd Floors</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5-10	\$15,300	
Masonry: Limestone	5%			LIFE	**	5-10	\$1,700	
Pre-Cast Concrete	15%			LIFE	**	5	\$5,300	
Roof								
Asphalt Shingle	50%	Now	\$800	2032	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Built-Up (BUR)	50%	Now	\$6,300	2029			\$62,900	
<i>Debris on Roof, Extent : Light, Area Affected : 5%</i>								
<i>Location : From Construction Next Door</i>								
<i>Drains Clogged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : From Construction Next Door</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Around Drains</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 255/ LADDER 157**  
**Asset # : 13145**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Interior									
Floors									
Cast in Place Concrete	50%			LIFE	**	5	\$27,700		
Ceramic Tile	5%	Now	\$300	2038	**	5	\$300		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Basement Showers</i>									
Quarry Tile	5%	0-2	\$400	2042	**	5	\$500		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Door Way Edges</i>									
Vinyl Tile	40%	Now	\$8,800	2034	**	3	\$1,900		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : 2nd Floor</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : 2nd Floor</i>									
<i>Other Observation, Extent : Light, Area Affected : 60%</i>									
<i>Location : 2nd Floor</i>									
<i>Explanation : 9 X 9 Tiles</i>									
Interior Walls									
Ceramic Tile	5%	0-2	\$900	2038	**	5	\$300		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Kitchen And Toilets Throughout</i>									
Gypsum Board	5%			LIFE	**	5-10	\$1,100		
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
Masonry: Brick	20%			LIFE	**	10	\$800		
Plaster	45%			LIFE	**	5-10	\$5,100		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Stair</i>									
<i>Vertical Cracks, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Office</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Stair</i>									
SGFT/Glazed Masonry	20%			LIFE	**	10	\$1,300		
Wood	5%	4+	\$1,500	LIFE	**	5	\$2,700		
<i>Worn/Eroded, Extent : Light, Area Affected : 20%</i>									
<i>Location : Throughout</i>									

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 255/ LADDER 157**  
**Asset # : 13145**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%	Now	\$100	2034	**	5	\$300	
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
Embossed Metal	55%	Now	\$49,900	LIFE	**	5	\$3,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	25%			LIFE	**	10	\$6,300	
Plaster	15%			LIFE	**	5-10	\$3,300	
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%	4+	\$900	2034	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%	Now	\$100	2034	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Side</i>								
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Side</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Side</i>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%	Now	\$1,900	2034	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Side</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2055	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 255/ LADDER 157**  
**Asset # : 13145**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Under 600 Volts								
Raceway								
Conduit	80%			2029	\$25,600	1		
Conduit	20%			2055	**	1		
Panelboards								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	30%			2051	**	5	\$100	
Molded Case Bkrs	65%			2028	\$25,600	5	\$100	
Wiring								
Thermoplastic	70%			2029	\$19,800	1		
Thermoplastic	30%			2055	**	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	98%			2037	**	10	\$7,600	
Incandescent	2%			2024	\$1,100	2		
Exterior Lighting								
HID	100%			2024	\$900	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2034	**	1	\$8,400	
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$2,700	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2022	\$13,500	1		
No Component	20%							
Ventilation								
Exhaust Fans								
Wall Unit	100%			2029	\$2,900	2	\$300	
Plumbing								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 255/ LADDER 157**  
**Asset # : 13145**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%			2049	**	1	
<i>Booster Pump w/Tank, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Water Heater	Gas Fired	100%			2024	\$4,900	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Submersible	100%			2022	\$300	4	\$300
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System	Wet	100%			2027	\$26,700	1-3	\$4,200

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 257/LADDER 170 / BATTALION 58  
**Address** : 1361 ROCKAWAY PARKWAY  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.257 / 13146 **Yr Built/Renovated** : 1907 / 2010  
**Area Sq Ft** : 8,142 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 21-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 8166 **Lot** : 33 **BIN** : 3229407

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$68,800	
Interior Architecture	\$74,500	
Electrical		\$57,700
Mechanical		\$37,500
<b>Total</b>	<b>\$143,300</b>	<b>\$95,200</b>
Importance Code A	\$68,800	
Importance Code B	\$74,500	\$95,200
<b>Total</b>	<b>\$143,300</b>	<b>\$95,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$61,800		\$9,100	
Interior Architecture	\$69,900	\$300	\$300	\$1,700
Electrical	\$900	\$600	\$700	\$2,100
Mechanical	\$28,100	\$2,000	\$1,500	\$1,700
Site Enclosure	\$8,700			
Site Pavements	\$22,700			
<b>Total</b>	<b>\$192,100</b>	<b>\$2,900</b>	<b>\$11,600</b>	<b>\$5,400</b>
Importance Code A	\$62,600	\$800	\$9,900	\$800
Importance Code B	\$82,900	\$2,100	\$1,700	\$3,800
Importance Code C	\$46,600			\$900
<b>Total</b>	<b>\$192,100</b>	<b>\$2,900</b>	<b>\$11,600</b>	<b>\$5,400</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**  
**ENGINE CO. 257/LADDER 170 / BATTALION 58**

**Asset # : 13146**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	87%	2-4	\$68,800	LIFE	**	5	\$22,400	
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Farragut Road Facade And Hose Tower</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout, Except Front Facade</i>								
Masonry: Granite	2%			LIFE	**	5	\$800	
Masonry: Limestone	3%			LIFE	**	5	\$1,200	
Metal Sect. OHD	5%			2042	**	5	\$4,000	
Stucco Cement	3%	4+	\$1,100	2042	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Front Facade</i>								
<b>Windows</b>								
Aluminum	70%	Now	\$33,800	2054	**	5	\$1,000	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	30%	Now	\$12,100	2054	**	5	\$4,200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Side Facade Near Front- Sash Missing</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Parapets</b>								
Cast Stone/Terra Cotta	20%			LIFE	**	5-10	\$12,200	
Masonry: Brick	30%	Now	\$3,800	LIFE	**	5	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet Wall</i>								
<i>Explanation : Covered With Tar And Stucco Cement</i>								
Metal Rail	30%			2042	**	5-10	\$11,600	
Stucco Cement	20%	Now	\$1,100	2042	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Top Of Hose Tower</i>								
<b>Roof</b>								
Modified Bitumen	100%			2034	**	10	\$12,200	
<b>Interior</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**  
**ENGINE CO. 257/LADDER 170 / BATTALION 58**  
**Asset # : 13146**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$18,100	LIFE	**	5	\$12,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Floor Near Ladder Truck Bay</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement, Apparatus Floor At Threshold Of Over Head Door</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Temporary Shoring In Basement</i>								
Ceramic Tile	5%			2032	**	5	\$600	
Vinyl Tile	50%	2-4	\$27,300	2034	**	3	\$2,400	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout, Engine Office</i>								
Interior Walls								
Ceramic Tile	25%	Now	\$6,100	2032	**	5	\$2,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Ladder Truck Side And At Rear Wall Under Windows</i>								
Ceramic Tile	10%			2038	**	5	\$1,700	
Masonry: Brick	35%	2-4	\$4,800	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Front Wall</i>								
Plaster	30%	Now	\$4,300	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$5,200	2049	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Offices</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Offices And 1st Floor Lounge</i>								
AcousTileSusp.Lay-In	5%			2046	**	5	\$600	
Embossed Metal	35%			LIFE	**	5	\$4,000	
Exposed Concrete	30%	Now	\$74,500	LIFE	**	5	\$600	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Steel Beam At Front Wall</i>								
<i>Spalling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Basement</i>								
<i>Explanation : Temporary Supports Under Apparatus Floor</i>								
Plaster	25%	Now	\$2,100	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Site Enclosure								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 257/LADDER 170 / BATTALION 58**  
**Asset # : 13146**

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

## Site Enclosure

## Fence/Gates

## Chain Link

100% Now \$8,700 2055 \* \*

*Broken/Missing Elements, Extent : Severe, Area Affected : 60%*

*Location : Side Yard And Rear Yard*

## Site Pavements

## Public Sidewalk

## Cast in Place Concrete

100% 2042 \* \*

## Parking/Driveway

## Cast in Place Concrete

100% 0-2 \$22,700 2042 \* \*

*Cracking/Crumbling, Extent : Moderate, Area Affected : 20%*

*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	Priority

## Under 600 Volts

## Service Equipment

## Fused Disc Sw

100% 2049 \* \* 5

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

*Location : Basement*

*Explanation : Main Service Disconnect Switch Rated At 400 Amperes.*

## Switchgear / Switchboard

## Molded Case Bkrs

100% 2029 \$49,900 5 \$200

## Raceway

## Conduit

80% 2029 \$25,600 1

## Conduit

20% 2049 \* \* 1

## Panelboards

## Molded Case Bkrs

80% 2045 \* \* 5 \$200

## Molded Case Bkrs

20% 2028 \$7,900 5

## Wiring

## Thermoplastic

80% 2029 \$22,700 1

## Thermoplastic

20% 2049 \* \* 1

## Motor Controllers

## Variable Frequency Drive

100% 2034 \* \*

## Ground

## Grounding Devices

## Generic

100% LIFE \* \* 5 \$200

## Stand-by Power

## Transfer Switches

## Automatic

100% 2042 \* \* 1 \$2,500

## Generators

## Diesel

100% 2038 \* \* 1 \$3,200

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

*Location : Side Yard*

*Explanation : No Available Nameplate Rating Capacity*

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

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 257/LADDER 170 / BATTALION 58**

**Asset # : 13146**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
<b>Batteries</b>								
Lead/Acid	100%			2023	\$1,500	5	\$300	
<b>Fuel Storage</b>								
Main Tank	100%			2057	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 120 Gallons Rated Capacity</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	10%			2029	\$2,300	10	\$700	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fluorescent	5%			2029	\$1,100	10	\$400	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
LED	85%			2037	**			
<b>Egress Lighting</b>								
Emergency, Service	100%			2034	**	1		
<b>Exterior Lighting</b>								
LED	30%			2037	**			
No Component	70%							
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Fuel Oil No 2	100%			2039	**	5	\$2,500	
<b>Conversion Equipment</b>								
Steam Boiler	100%			2046	**	1	\$8,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
<b>Distribution</b>								
Steam Piping/Pump	100%	0-2	\$700	2039	**			
<i>Leak Evident, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement Gymnasium</i>								
<b>Terminal Devices</b>								
Convactor/Radiator	90%			2027	\$37,500	1	\$2,400	
Fan Coil Unit/Heat	10%	0-2	\$11,700	2039	**	1	\$200	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<b>Air Conditioning</b>								
<b>Energy Source</b>								
Electricity	100%			2037	**	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 257/LADDER 170 / BATTALION 58**  
**Asset # : 13146**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Heat Pump Air Sourced	10%	0-2	\$7,700	2034	**	2		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rear Of The Building</i>								
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1 Obsolete Unit, Rear Of The Building</i>								
Split Unit	10%	0-2	\$1,700	2029	\$16,600			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 2 Inefficient Units, R-410a Refrigerant</i>								
Window/Wall Unit	40%	0-2	\$1,300	2024	\$6,500	1		
<i>Not in Service, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	20%			2029	\$17,800	1	\$500	
No Component	80%							
Heat Rejection								
Dry Cooler	20%			2029	\$5,100	2	\$1,100	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,400	
No Component	80%							
Exhaust Fans								
Roof	20%			2029	\$2,600	2	\$100	
Wall Unit	10%			2029	\$300	2		
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	0-2	\$2,900	2039	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Water Main Valve, Basement</i>								
Water Heater								
Gas Fired	50%			2027	\$2,400	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 75 Gallon Unit</i>								
Gas Fired	50%			2029	\$2,400	2	\$100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1 - 75 Gallon Unit, Basement</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 257/LADDER 170 / BATTALION 58**  
**Asset # : 13146**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Sump Pump(s) Submersible	100%	0-2	\$300	2024	\$300	4	\$200
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures	Generic	100%						
Fire Suppression	Chemical System Generic	100%			2027	\$26,700	1-3	\$3,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 258/LADDER CO. 115  
**Address** : 10-10 47TH AVENUE  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.258 / 13147 **Yr Built/Renovated** : 1903 / 2009  
**Area Sq Ft** : 10,491 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 10-Jun-2015 **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3,4  
**Block** : 46 **Lot** : 34 **BIN** : 4000333

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$333,200	
Interior Architecture	\$77,800	\$150,000
Electrical		\$73,300
Mechanical	\$84,100	
<b>Total</b>	<b>\$495,200</b>	<b>\$223,300</b>
Importance Code A	\$333,200	
Importance Code B	\$161,900	\$124,100
Importance Code C		\$99,200
<b>Total</b>	<b>\$495,200</b>	<b>\$223,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$36,500	\$9,200		
Interior Architecture	\$57,900			
Electrical	\$8,600	\$30,500	\$800	\$800
Mechanical	\$4,100	\$11,300	\$6,000	\$1,200
<b>Total</b>	<b>\$107,100</b>	<b>\$51,000</b>	<b>\$6,700</b>	<b>\$1,900</b>
Importance Code A	\$37,000	\$9,700	\$500	\$500
Importance Code B	\$55,600	\$41,300	\$6,200	\$1,400
Importance Code C	\$14,500			
<b>Total</b>	<b>\$107,100</b>	<b>\$51,000</b>	<b>\$6,700</b>	<b>\$1,900</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**  
**ENGINE CO. 258/LADDER CO. 115**  
**Asset # : 13147**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	3%			LIFE	**	5	\$9,100	
Masonry: Brick	75%	Now	\$97,900	LIFE	**	5	\$29,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Northwest Corner Including Street Side Parapet</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 2%</i>								
<i>Location : East Facade.</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
<i>Explanation : Water Infiltration During Heavy Rain Observed By Firefighters.</i>								
Masonry: Granite	2%			LIFE	**	5	\$600	
Masonry: Limestone	10%	0-2	\$10,500	LIFE	**	5	\$2,900	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade.</i>								
Metal Sect. OHD	5%			2031	**	5	\$6,100	
Stucco Cement	5%			2031	**	5	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 4th Floor Bulkhead</i>								
<i>Explanation : Stucco Located At 4th Floor Observed From Roof.</i>								
Windows								
Aluminum	100%	Now	\$19,000	2042	**	5	\$1,000	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Parapets								
Metal Panel	70%			2036	**	5	\$7,400	
Metal Rail	30%	Now	\$1,200	2031	**	5	\$5,800	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 5%</i>								
<i>Location : At The Corners.</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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. 258/LADDER CO. 115**  
**Asset # : 13147**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Built-Up (BUR)	85%	Now	\$54,300	2021	\$181,000			
<i>Blisters, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Main Roof</i>								
<i>Drains Clogged, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Towards Front Of Building</i>								
<i>Ponding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Poor Installation On Replacement Roof.</i>								
Metal Panel	10%			2039	**	10	\$2,600	
Skylight, Metal/Glass	5%	Now	\$5,800	2036	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Over Stair.</i>								
<i>Explanation : Needs Complete Re-caulking.</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$13,700	
Ceramic Tile	15%	Now	\$2,500	2029	\$50,800	5	\$1,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen.</i>								
Wood	45%	0-2	\$77,800	2041	**	5	\$6,600	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : 1st And 2nd Floor.</i>								
<i>Loose/Miss Fasteners, Extent : Light, Area Affected : 25%</i>								
<i>Location : Various Locations</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. 258/LADDER CO. 115**

**Asset # : 13147**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	10%			2029	\$99,200	5	\$3,200	
Concrete Masonry Unit	20%	4+	\$8,000	LIFE	**	5	\$2,600	
<i>Staining/Discoloring, Extent : Light, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Gypsum Board	10%	Now	\$700	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
Masonry: Brick	20%			LIFE	**			
<i>Paint Peeling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Apparatus Room</i>								
Plaster	40%	Now	\$5,800	LIFE	**	5	\$3,900	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 3rd Floor Under Skylight In Pool Room And Various Other Locations.</i>								
Ceilings								
AcousTileSusp.Lay-In	35%	Now	\$14,800	2031	**	5	\$2,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout.</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : 2nd, 3rd And 4th Floor Mezzanine Lounge Area.</i>								
Embossed Metal	45%	Now	\$13,800	LIFE	**	5	\$3,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 4th Floor And Apparatus Room</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 4th Floor And Apparatus Room</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 4th Floor And Apparatus Room</i>								
Exposed Struc: Steel	15%	Now	\$11,000	LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : 3rd Floor, Rear Wall And Basement</i>								
<i>Explanation : Rusted Lintel Above Window.</i>								
Plaster	5%	Now	\$1,100	LIFE	**	5	\$500	
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Truck Bay Stair And 2nd Floor Offices</i>								

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

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 258/LADDER CO. 115**  
**Asset # : 13147**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
	Service Equipment							
	Fused Disc Sw	100%			2046	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 800 Amperes Service</i>					
	Switchgear / Switchboard							
	Molded Case Bkrs	100%			2046	**	5	\$300
	Raceway							
	Conduit	90%			2036	**	1	
	Conduit	10%			2046	**	1	
	Panelboards							
	Fused Disc Sw	10%			2034	**	5	
	Molded Case Bkrs	90%			2034	**	5	\$200
	Wiring							
	Thermoplastic	100%			2036	**	1	
	Motor Controllers							
	Locally Mounted	100%			2031	**	5	\$100
<b>Ground</b>								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$200
<b>Stand-by Power</b>								
	Transfer Switches							
	Automatic	100%			2039	**	1	\$3,200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 400 Amp</i>					
	Generators							
	Diesel	100%			2029	\$73,300	1	\$4,100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 250kw</i>					
	Batteries							
	Lead/Acid	100%			2020	\$1,700	5	\$400
	Fuel Storage							
	Day Tank	100%			2034	**	5	\$1,900
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside Rear Yard</i>					
			<i>Explanation : 125 Gallons</i>					
<b>Lighting</b>								
	Interior Lighting							
	Fluorescent	90%			2026	\$28,500	10	\$8,700
			<i>T-5 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
	Incandescent	10%			2021	\$7,500	2	
	Egress Lighting							
	Emergency, Battery	50%			2026	\$7,900	10	\$1,300
	Exit, Battery	50%			2026	\$2,100	10	\$400

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 258/LADDER CO. 115**  
**Asset # : 13147**

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

**Lighting**

## Exterior Lighting

HID	50%			2021	\$22,000	10		
No Component	50%							

**Alarm**

## Fire/Smoke Detection

No Component	95%							
Generic, Analog	5%	4+	\$6,000	2036	**	1-3	\$300	

*Local/Battery Operated Detect, Extent : Light, Area Affected : 100%*

*Location : Throughout*

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

**Heating**

## Energy Source

Natural Gas	100%			2052	**	1		
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## Conversion Equipment

Hot Water Boiler	100%			2039	**	1	\$5,200	
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## Distribution

Hot Wtr Piping/Pump	100%			2042	**	4	\$500	
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## Terminal Devices

Convactor/Radiator	90%			2039	**	1	\$3,100	
Unit Heater - Steam	10%			2031	**	4	\$100	

**Air Conditioning**

## Energy Source

Electricity	100%			2048	**	1		
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## Conversion Equipment

Exterior Pkg Unit - Cooling	95%	2-4	\$84,100	2036	**	2	\$500	
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*R-22 Refrigerant, Extent : Light, Area Affected : 100%*

*Location : 7 Roof Units*

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

*Location : Roof*

*Explanation : On Extended Life*

Window/Wall Unit	5%			2021	\$1,100	1		
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## Distribution

Ductwork/Diffusers	100%			LIFE	**	2	\$13,700	
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**Ventilation**

## Distribution

Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,900	
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## Exhaust Fans

Interior	50%			2026	\$19,500	2	\$200	
Roof	50%			2021	\$9,100	2	\$200	

**Plumbing**

## H/C Water Piping

Brass/Copper	100%			2052	**	1		
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 258/LADDER CO. 115**  
**Asset # : 13147**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Gas Fired	100%			2024	\$6,700	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Basement</i> <i>Explanation : 2 - 75 Gallon Units</i>								
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i> <i>Location : Basement</i> <i>Explanation : Combination Sewer Backs Up During Heavy Rains</i>								
	Storm Drain Piping Cast Iron	100%	0-2	\$2,300	LIFE	**	1	
<i>Blockage /Clogged, Extent : Light, Area Affected : 20%</i> <i>Location : Roof Drain</i>								
	Sump Pump(s) Submersible	100%			2020	\$400	4	\$300
	Backflow Preventer Generic	100%			2034	**	1	\$600
	Fixtures Generic	100%						
Fire Suppression								
	Sprinkler Generic	100%			2052	**	1-2	\$2,900
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Kitchen</i> <i>Explanation : System Serves Cooking Area</i>								

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 22-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 307 **Lot** : 29 **BIN** : 4003673

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$13,200		\$12,500	\$100
Interior Architecture	\$25,300	\$3,300		
Electrical	\$1,400	\$3,000	\$16,900	\$2,100
Mechanical	\$12,700	\$3,300	\$7,600	\$2,300
<b>Total</b>	<b>\$52,600</b>	<b>\$9,600</b>	<b>\$37,000</b>	<b>\$4,500</b>
Importance Code A	\$14,000	\$800	\$13,300	\$900
Importance Code B	\$26,500	\$8,800	\$23,700	\$3,600
Importance Code C	\$12,100			
<b>Total</b>	<b>\$52,600</b>	<b>\$9,600</b>	<b>\$37,000</b>	<b>\$4,500</b>



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**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	0-2	\$5,200	LIFE	**	5	\$8,400	
<i>Recent Repair Evident, Extent : Light, Area Affected : 25%</i>								
<i>Location : Mortar Joints Sealed On Street Facade. Previous Water Penetration Throughout Facade In Driving Rain Storms</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Window Lintels</i>								
Masonry: Brick Cavity	10%			LIFE	**	5	\$1,200	
Masonry: Limestone	2%			LIFE	**	5	\$200	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Third Floor Window Lintels</i>								
Metal Panel	10%			2047	**	5-10	\$8,300	
Metal Sect. OHD	5%			2040	**	5	\$1,900	
Pre-Cast Concrete	3%			LIFE	**	5	\$1,200	
Windows								
Aluminum	100%	Now	\$800	2043	**	5	\$200	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor Front</i>								
<i>Weather Strip Missing, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	2-4	\$400	LIFE	**	5	\$1,100	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Masonry: Brick Cavity	65%			LIFE	**	5	\$900	
Metal Panel	5%			2053	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Parapet</i>								
<i>Explanation : Metal Coping</i>								
Metal Panel	20%			2047	**	5	\$1,100	
Roof								
IRMA/Protected Membrane	5%	4+	\$300	2027			\$5,100	
<i>Vegetation Growth, Extent : Light, Area Affected : 20%</i>								
<i>Location : Lower Roof Above Kitchen</i>								
Modified Bitumen	77%			2032	**	10	\$9,600	
Plaza Roof: Stone Panels	15%			2047	**			
Skylight, Metal/Glass	3%	Now	\$5,700	2047	**			
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Kitchen Skylight</i>								
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$21,500	
Ceramic Tile	30%			2036	**	5	\$6,500	
Wood	25%			2055	**	5	\$10,200	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 259/LADDER CO. 128 /BATTALION 45**  
**Asset # : 13148**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	15%			LIFE	**			
Ceramic Tile	5%	Now	\$10,700	2036	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stairs To Basement</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Mens 3rd Floor Bathroom</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Apparatus Room</i>								
Concrete Masonry Unit	10%			LIFE	**	5	\$1,000	
Gypsum Board	64%	Now	\$1,400	LIFE	**	5	\$9,700	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Front</i>								
Metal Panel	1%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Housewatch</i>								
<i>Explanation : Stainless Steel Panels</i>								
Wood	5%			LIFE	**	5	\$5,100	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	15%	4+	\$1,400	2040	**	5	\$1,600	
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd And 3rd Floor Offices</i>								
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	60%	4+	\$6,800	LIFE	**	5	\$16,400	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Bathroom, 3rd Floor Front</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Bunkroom</i>								
<i>Explanation : Paint Peeling</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2047	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 600 Amperes.</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2047	**	5	\$400	
<b>Raceway</b>								
Conduit	100%			2047	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2043	**	5	\$400	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 259/LADDER CO. 128 /BATTALION 45**  
**Asset # : 13148**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Under 600 Volts								
Wiring								
	Thermoplastic	100%			2047	**	1	
Motor Controllers								
	Locally Mounted	100%			2040	**	5	\$100
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$200
Stand-by Power								
Transfer Switches								
	Automatic	100%			2040	**	1	\$4,900
Generators								
	Diesel	100%			2036	**	1	\$6,100
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Emergency Generator Rated At 180 Kilowatts</i>				
Batteries								
	Lead/Acid	100%			2021	\$1,500	5	\$600
Fuel Storage								
	Day Tank	50%			2043	**	5	\$1,500
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 60 Gallons Rated Capacity</i>				
	Main Tank	50%			2055	**	5	\$200
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 550 Gallons Rated Capacity</i>				
Lighting								
Interior Lighting								
	Fluorescent	99%			2032	**	10	\$14,300
				<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Throughout The Building</i>				
	Fluorescent	1%			2032	**	10	\$100
				<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Shower Room</i>				
Egress Lighting								
	Emergency, Service	25%			2032	**	1	
	Emergency, Battery	25%			2032	**	10	\$1,000
	Exit, LED	50%			2055	**	1	
Exterior Lighting								
	HID	20%			2032	**	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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Maintenance \$ are aggregated over a ten-year period. Site specific 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**

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

**Alarm**

## Security System

No Component

90%

Generic

10%

2032

\* \*

1

\$600

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

## Fire/Smoke Detection

No Component

95%

Generic, Analog

5%

2027

\$8,400

1-3

\$500

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : 1st Floor**Explanation : Alarm Bells*

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

**Heating**

## Energy Source

Natural Gas

100%

2053

\* \*

1

## Conversion Equipment

Hot Water Boiler

100%

2040

\* \*

1

\$7,800

## Distribution

Hot Wtr Piping/Pump

90%

2049

\* \*

4

\$1,100

Hot Wtr Piping/Pump

10% Now

\$2,400

2052

\* \*

4

\$100

*Other Observation, Extent : Severe, Area Affected : 100%**Location : Third Floor Ceiling**Explanation : Ruptured*

## Terminal Devices

Convactor/Radiator

50%

2040

\* \*

1

\$2,600

Convactor/Radiator

10% 0-2

\$8,100

2047

\* \*

1

\$500

*Corroded, Extent : Severe, Area Affected : 100%**Location : Third Floor Bathroom*

Fan Coil Unit/Heat

40%

2032

\* \*

1

\$2,000

**Air Conditioning**

## Energy Source

Electricity

100%

2049

\* \*

1

## Conversion Equipment

Exterior Pkg Unit -

70%

2032

\* \*

2

\$700

Cooling

Split Unit

5%

2032

\* \*

No Component

25%

## Distribution

Ductwork/Diffusers

70%

LIFE

\* \*

2

\$14,400

No Component

30%

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 259/LADDER CO. 128 /BATTALION 45**  
**Asset # : 13148**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Heat Rejection								
Dry Cooler	5%			2032	**	2	\$600	
No Component	95%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,800	
Exhaust Fans								
Interior	20%			2032	**	2	\$100	
Roof	80%			2032	**	2	\$400	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Gas Fired	100%			2026	\$9,200	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Two 75 Gallon Heaters</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2021	\$500	4	\$500	
Backflow Preventer								
Generic	100%			2035	**	1	\$1,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Backflow Preventers On Domestic Water, Sprinkler And Boiler Water Feeds</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2053	**	1-2	\$4,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Fully Sprinklered Including Cellar</i>								
Chemical System								
Wet	100%			2025	\$26,700	1-3	\$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.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 26  
**Address** : 220 WEST 37th STREET BET 7TH AVE AND 8TH AVE  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.026 / 13019 **Yr Built/Renovated** : 1869 / 2010  
**Area Sq Ft** : 7,221 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 15-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 786 **Lot** : 61 **BIN** : 1014447

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$81,800	\$82,600
Interior Architecture	\$46,900	
Electrical		\$29,500
Mechanical		\$37,000
<b>Total</b>	<b>\$128,600</b>	<b>\$149,000</b>
Importance Code A	\$81,800	\$82,600
Importance Code B	\$46,900	\$66,500
<b>Total</b>	<b>\$128,600</b>	<b>\$149,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$61,500			
Interior Architecture	\$56,900			\$2,900
Electrical	\$9,300			\$100
Mechanical	\$8,300	\$1,600	\$1,900	\$1,400
Site Pavements	\$300			
<b>Total</b>	<b>\$136,300</b>	<b>\$1,600</b>	<b>\$2,000</b>	<b>\$4,400</b>
Importance Code A	\$62,200	\$700	\$700	\$700
Importance Code B	\$48,400	\$900	\$1,200	\$2,300
Importance Code C	\$25,700			\$1,500
<b>Total</b>	<b>\$136,300</b>	<b>\$1,600</b>	<b>\$2,000</b>	<b>\$4,400</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**  
**ENGINE CO. 26**  
**Asset # : 13019**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Iron	5%			LIFE	**	10	\$17,100	
Masonry: Brick	85%	0-2	\$81,800	LIFE	**	5	\$26,500	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front And Rear Facades</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front And Rear Facades</i>								
Wood Overhead Doors	10%			2034	**	5	\$15,600	
Windows								
Aluminum	100%	Now	\$28,300	2037	**	5	\$600	1
<i>Air Infiltration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : 3rd Floor Front Office And Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$2,300	
Masonry: Brick	85%			LIFE	**	5-10	\$4,600	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
No Component	5%							
Roof								
Asphalt Shingle	5%	Now	\$600	2032	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Modified Bitumen	90%			2029		10	\$6,000	
Skylight, Metal/Glass	5%	0-2	\$10,000	2039	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								

Interior

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 26**  
**Asset # : 13019**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	**	5	\$9,500	
Ceramic Tile	15%			2038	**	5	\$1,600	
Quarry Tile	5%	0-2	\$4,800	2034	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	50%	Now	\$46,900	2039	**	3	\$2,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st, 2nd And 3rd Floor Throughout</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 1st, 2nd And 3rd Floor Throughout</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 1st, 2nd And 3rd Floor Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : 1st, 2nd And 3rd Floor Throughout</i>								
Wood	10%	Now	\$700	2057	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Wood Stair From 2nd To 3rd Floor</i>								
Interior Walls								
Ceramic Tile	20%			2038	**	5	\$2,900	
Masonry: Brick	10%	Now	\$5,800	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front And Back Of Building In Basement</i>								
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout Front And Back, Basement</i>								
Plaster	55%	Now	\$13,100	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd And 3rd Floor Throughout</i>								
SGFT/Glazed Masonry	10%	Now	\$5,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 30%</i>								
<i>Location : 1st Floor</i>								
Wood	5%	Now	\$800	LIFE	**	5	\$2,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : 3rd Floor Behind Cab</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. 26**  
**Asset # : 13019**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	30%	Now	\$10,900	2034	**	5	\$1,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement, 1st, 2nd And 3rd Floors Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Basement, 1st, 2nd And 3rd Floor</i>								
AcousTileSusp.Lay-In	20%	0-2	\$1,800	2042	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st, 2nd And 3rd Floor Throughout</i>								
<i>Misaligned/Bulging, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st, 2nd And 3rd Floor Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st, 2nd And 3rd Floor Throughout</i>								
Embossed Metal	20%	Now	\$4,900	LIFE	**	5	\$1,000	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 1st Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : 1st Floor</i>								
Exposed Concrete	10%			LIFE	**	5-10	\$1,400	
Plaster	20%			LIFE	**	5-10	\$3,800	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$300	2034	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Ramp</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2029	\$4,900	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes</i>								
Raceway								
Conduit	90%			2029	\$28,800	1		
Conduit	10%			2049	**	1		
Panelboards								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	75%			2028	\$29,500	5	\$100	
Molded Case Bkrs	20%			2045	**	5		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 26**  
**Asset # : 13019**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Wiring								
Braided Cloth	30%	2-4	\$8,500	2054	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	20%			2049	**	1		
Thermoplastic	50%			2029	\$14,200	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	90%			2034	**	10	\$6,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	10%			2024	\$2,000	10	\$700	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Exterior Lighting								
HID	100%			2024	\$500	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$7,200	
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2027	\$37,000	1	\$2,300	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	40%			2034	**	2	\$200	
Window/Wall Unit	50%			2024	\$7,200	1		
No Component	10%							
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2	\$2,400	
No Component	80%							

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Estimates are rounded to the nearest hundred dollars.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 26**  
**Asset # : 13019**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Heat Rejection								
Dry Cooler	20%			2034	**	2	\$1,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : R - 410 A / 2 Split Units Serve Areas On 2nd And 3rd Floor</i>								
No Component	80%							
Ventilation								
Exhaust Fans								
Roof	15%			2034	**	2		
No Component	85%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	**	1		
Water Heater								
Gas Fired	100%			2027	\$4,200	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	25%	2-4	\$6,300	LIFE	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : Patches And Broken Hubs On Main Horizontal Drain</i>								
Cast Iron	75%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
No Component	95%							
Generic	5%			2034	**	1		
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	\$26,700	1-3	\$3,700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 6,488 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 27-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 352 **Lot** : 35 **BIN** : 4004305

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$101,100	\$242,100
Interior Architecture	\$132,900	
Electrical		\$7,900
<b>Total</b>	<b>\$234,000</b>	<b>\$250,000</b>
Importance Code A	\$101,100	\$242,100
Importance Code B	\$132,900	\$7,900
<b>Total</b>	<b>\$234,000</b>	<b>\$250,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$33,200			
Interior Architecture	\$58,400	\$800	\$23,000	\$300
Electrical	\$15,500		\$3,300	
Mechanical	\$1,200	\$900	\$17,700	\$1,000
Site Pavements	\$6,300			
<b>Total</b>	<b>\$114,700</b>	<b>\$1,700</b>	<b>\$44,000</b>	<b>\$1,300</b>
Importance Code A	\$33,900	\$600	\$700	\$600
Importance Code B	\$63,000	\$500	\$43,300	\$700
Importance Code C	\$17,800	\$600		
<b>Total</b>	<b>\$114,700</b>	<b>\$1,700</b>	<b>\$44,000</b>	<b>\$1,300</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**  
**ENGINE CO. 260**  
**Asset # : 13149**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$101,100	LIFE	**	5	\$16,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear And Side Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear And Side Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Rear And Side Facade</i>								
Masonry: Granite	10%			LIFE	**	5	\$1,600	
Wood Overhead Doors	15%	Now	\$21,200	2025	\$106,100	5	\$8,200	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Split/Cracked, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	Now	\$3,600	2043	**	5	\$800	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$500	
Masonry: Brick	75%	Now	\$5,700	LIFE	**	5	\$1,000	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Office And Locker Room On 2nd Floor</i>								
Masonry: Granite	20%			LIFE	**	5	\$300	
Roof								
Modified Bitumen	100%	2-4	\$2,700	2027	\$136,000			
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Hatch Area</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$26,800	LIFE	**	5	\$11,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Structurally Insufficient. Temporarily Supported On Lally Columns</i>								
Ceramic Tile	5%			2036	**	5	\$500	
Quarry Tile	5%			2040	**	5	\$800	
Vinyl Tile	20%			2032	**	3	\$1,000	
Vinyl Tile 9" X 9"	20%			2022	\$22,700	3	\$800	

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 260**  
**Asset # : 13149**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Interior									
Interior Walls									
Cast in Place Concrete	10%			LIFE	**				
Ceramic Tile	8%			2036	**	5	\$1,100		
Masonry: Brick	22%			LIFE	**				
Plaster	60%	Now	\$13,700	LIFE	**	5	\$2,500		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : 2nd Floor Locker Room And Bunkroom</i>									
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Locker Room And East Side Of Officer Bunkroom</i>									
Ceilings									
AcousTileSusp.Lay-In	20%			2040	**	5	\$2,000		
Exposed Concrete	40%	Now	\$132,900	LIFE	**	5	\$600		
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Cellar</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Cellar</i>									
<i>Other Observation, Extent : Light, Area Affected : 80%</i>									
<i>Location : Cellar</i>									
<i>Explanation : Temporary Posts Supporting Apparatus Floor Above</i>									
Plaster	40%	Now	\$16,300	LIFE	**	5	\$2,500		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Locker Room</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : 1st Floor Bunker Gear, Side Entry Door, 2nd Floor Locker Room, Office And Bathroom</i>									
Site Enclosure									
Fence/Gates									
Chain Link	100%			2037	**				
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%	4+	\$2,200	2032	**				
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>									
<i>Location : At Apron By Overhead Door Entrance</i>									
On-Site Walkways									
Cast in Place Concrete	100%			2032	**				
Parking/Driveway									
Cast in Place Concrete	100%	Now	\$4,100	2040	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Side Yard By Cellar Access Hatches</i>									
Electrical		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 260**  
**Asset # : 13149**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
	Service Equipment							
	Fused Disc Sw	100%			2037	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Service Size: 200 Amperes</i>					
	Raceway							
	Conduit	80%			2027	\$25,600	1	
	Conduit	20%			2037	**	1	
	Panelboards							
	Molded Case Bkrs	80%			2035	**	5	\$100
	Molded Case Bkrs	20%			2026	\$7,900	5	
	Wiring							
	Thermoplastic	100%			2037	**	1	
	Motor Controllers							
	Locally Mounted	100%			2025	\$14,700	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Motor Controller For One Overhead Door</i>					
<b>Ground</b>								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$100
<b>Lighting</b>								
	Interior Lighting							
	Fluorescent	80%	0-2	\$14,400	2037	**		
			<i>Inadequate Lighting Level, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Basement, Part Of First Floor And Second Floor</i>					
			<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Many Fixtures Without Bulbs</i>					
	Fluorescent	19%			2032	**	10	\$1,100
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : First Floor</i>					
	LED	1%			2032	**		
	Exterior Lighting							
	HID	90%			2027	\$22,500	10	
	Incandescent	10%			2022	\$2,100	2	
<b>Alarm</b>								
	Fire/Smoke Detection							
	No Component	95%						
	Generic, Analog	5%	Now	\$1,000	2037	**	1-3	\$200
			<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : First And Second Floor</i>					
			<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st And 2nd Floors</i>					

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 260**  
**Asset # : 13149**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$6,400	
Distribution								
Central Plant Steam Piping/Pmp	100%			2047	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$2,100	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2022	\$12,900	1		
Ventilation								
Exhaust Fans								
Roof	50%			2032	**	2	\$100	
Wall Unit	50%			2032	**	2	\$100	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2032	**	1		
Water Heater								
Gas Fired	100%			2022	\$3,800	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : One 75 Gallon Heater</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2025	\$2,700	1-3	\$400	
No Component	90%							

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 27-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 370 **Lot** : 23 **BIN** : 4004505

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$134,300
Electrical		\$77,400
<b>Total</b>		<b>\$211,700</b>
Importance Code A		\$134,300
Importance Code B		\$77,400
<b>Total</b>		<b>\$211,700</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$25,400			
Interior Architecture	\$2,300	\$700		\$400
Electrical		\$100	\$14,500	
Mechanical	\$900	\$1,300	\$1,400	\$900
Site Pavements	\$2,700			
<b>Total</b>	<b>\$31,200</b>	<b>\$2,000</b>	<b>\$15,800</b>	<b>\$1,300</b>
Importance Code A	\$26,000	\$600	\$600	\$600
Importance Code B	\$2,500	\$1,100	\$15,200	\$700
Importance Code C	\$2,700	\$300		
<b>Total</b>	<b>\$31,200</b>	<b>\$2,000</b>	<b>\$15,800</b>	<b>\$1,300</b>



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. 261/LADDER CO. 116**  
**Asset # : 13150**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$14,900	
Masonry: Granite	5%			LIFE	**	5	\$800	
Masonry: Limestone	10%			LIFE	**	5	\$1,600	
Wood Overhead Doors	15%	Now	\$20,600	2047	**	5	\$8,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Loose/Miss Fasteners, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Not Insulated, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	4+	\$1,800	2043	**	5	\$1,000	
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Corridor</i>								
Parapets								
Masonry: Brick	90%	4+	\$2,000	LIFE	**	5	\$1,700	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout Main Roof</i>								
Masonry: Limestone	10%	0-2	\$1,000	LIFE	**	5	\$200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	100%			2027		10	\$9,700	
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$12,800	
Ceramic Tile	7%			2036	**	5	\$700	
Vinyl Tile	33%			2032	**	3	\$1,600	
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$700	
Plaster	70%			LIFE	**	5	\$2,800	
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%			2040	**	5	\$500	
Exposed Concrete	33%			LIFE	**	5	\$500	
Plaster	62%	Now	\$1,600	LIFE	**	5	\$3,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Area By Overhead Door</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Area Over Bathroom</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2037	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2032	**			

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

Estimates are rounded to the nearest hundred dollars.

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 261/LADDER CO. 116**  
**Asset # : 13150**

Architecture		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%			2032	**			
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## Parking/Driveway

Cast in Place Concrete	100%	2-4	\$2,700	2032	**			
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*Broken/Missing Elements, Extent : Light, Area Affected : 15%**Location : Rear Of Driveway*

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

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2027	\$4,900	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Amperes Main Disconnect Switch*

## Switchgear / Switchboard

Fused Disc Sw	100%			2027	\$49,900	5		
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## Raceway

Conduit	80%			2027	\$25,600	1		
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Conduit	20%			2047	**	1		
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## Panelboards

Fused Disc Sw	10%			2026	\$3,900	5		
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Molded Case Bkrs	70%			2026	\$27,500	5	\$100	
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Molded Case Bkrs	20%			2043	**	5		
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## Wiring

Thermoplastic	20%			2047	**	1		
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Thermoplastic	80%			2027	\$22,700	1		
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## Motor Controllers

Locally Mounted	100%			2025	\$14,700	5		
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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## Lighting

## Interior Lighting

Fluorescent	60%			2022	\$10,100	10	\$3,400	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout**Explanation : T-12 Lamps*

Fluorescent	15%			2027	\$2,500	10	\$800	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : T-8 Lamps*

Incandescent	5%			2027	\$2,000	2		
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LED	20%			2032	**			
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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. 261/LADDER CO. 116**  
**Asset # : 13150**

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

## Lighting

Egress Lighting								
Emergency, Battery	50%			2032	**	10	\$700	
Exit, Battery	50%			2032	**	10	\$200	
Exterior Lighting								
HID	100%			2032	**	10		

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

## Heating

Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$6,000	
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$500	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$2,000	

## Air Conditioning

Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2025		1	\$12,100	

## Ventilation

Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,400	
<i>Abandoned in Place, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Floor Gen Exhaust</i>								
Exhaust Fans								
Roof	80%			2032	**	2	\$200	
Wall Unit	20%			2027		2	\$400	

## Plumbing

H/C Water Piping								
Galvanized Steel	100%			2040	**	1		
Water Heater								
Gas Fired	100%			2025		2	\$3,600	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 75 Gallon</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2021		4	\$200	\$200

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 261/LADDER CO. 116**  
**Asset # : 13150**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Plumbing								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2025	\$2,700	1-3	\$400	
No Component	90%							

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 27-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 551 **Lot** : 16 **BIN** : 4006338

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$37,400	
Interior Architecture	\$40,200	\$39,100
Electrical		\$39,400
<b>Total</b>	<b>\$77,700</b>	<b>\$78,500</b>
Importance Code A	\$37,400	
Importance Code B	\$40,200	\$78,500
<b>Total</b>	<b>\$77,700</b>	<b>\$78,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$32,000		\$3,500	
Interior Architecture	\$25,600	\$2,300		
Electrical	\$3,600	\$100	\$100	
Mechanical	\$37,600	\$800	\$7,800	\$1,100
Site Pavements	\$2,800			
<b>Total</b>	<b>\$101,700</b>	<b>\$3,200</b>	<b>\$11,400</b>	<b>\$1,100</b>
Importance Code A	\$32,500	\$500	\$4,100	\$500
Importance Code B	\$61,700	\$1,800	\$7,300	\$600
Importance Code C	\$7,500	\$1,000		
<b>Total</b>	<b>\$101,700</b>	<b>\$3,200</b>	<b>\$11,400</b>	<b>\$1,100</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**  
**ENGINE CO. 262**  
**Asset # : 13151**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	65%	Now	\$37,400	LIFE	**	5	\$12,200	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Masonry Relieving Angle At 2nd Floor Level</i>								
Metal Panel	10%			2037	**	5-10	\$12,900	
Metal Sect. OHD	10%			2040	**	5	\$5,800	
Pre-Cast Concrete	15%			LIFE	**	5	\$9,100	
Windows								
Aluminum	100%	Now	\$20,000	2052	**	5	\$200	
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : First Floor, Basement</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Thermally Inefficient</i>								
Parapets								
Masonry: Brick	45%			LIFE	**	5	\$800	
<i>Recent Repair Evident, Extent : Light, Area Affected : 40%</i>								
<i>Location : Main Roof</i>								
Pre-Cast Concrete	55%			LIFE	**	5	\$6,300	
Roof								
Built-Up (BUR)	98%	Now	\$9,100	2032	**			
<i>Drains Clogged, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Main Roof</i>								
<i>Grvl/Blst Miss/Disp, Extent : Light, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Roof</i>								
Skylight, Plastic	2%			2032	**	1		
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$14,800	LIFE	**	5	\$15,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Occasional Flooding Through Floor Slab From Hydrostatic Pressure</i>								
Ceramic Tile	10%			2036	**	5	\$1,400	
Quarry Tile	5%			2040	**	5	\$1,000	
Vinyl Tile	10%			2027		3	\$500	
Vinyl Tile 9" X 9"	25%			2027	\$39,100	3	\$1,300	

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

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 262**  
**Asset # : 13151**

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

## Interior

## Interior Walls

Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%			2036	**	5	\$1,900	
Concrete Masonry Unit	10%			LIFE	**	5	\$800	
Plaster	30%	0-2	\$4,700	LIFE	**	5	\$1,700	

*Paint Peeling, Extent : Moderate, Area Affected : 10%*

*Location : Throughout*

*Water Penetration, Extent : Severe, Area Affected : 5%*

*Location : 2nd Floor Dormitory At Window*

SGFT/Glazed Masonry	40%			LIFE	**			
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## Ceilings

AcousTileConcealSpLn	35%	Now	\$40,200	2047	**	5	\$3,000	
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*Broken/Missing Elements, Extent : Severe, Area Affected : 20%*

*Location : 2nd Floor Gymnasium, Locker Room And Dormitory*

*Worn/Eroded, Extent : Severe, Area Affected : 80%*

*Location : 2nd Floor Throughout*

Exposed Concrete	50%			LIFE	**	5	\$1,100	
Plaster	15%	0-2	\$5,600	LIFE	**	5	\$1,300	

*Paint Peeling, Extent : Severe, Area Affected : 20%*

*Location : Second Floor Bathroom*

*Staining/Discoloring, Extent : Moderate, Area Affected : 100%*

*Location : Second Floor Bathroom*

## Site Enclosure

## Free Standing Walls

Under Construction	100%							
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*Other Observation, Extent : Light, Area Affected : 0%*

*Location : Side Yard*

*Explanation : Temporary Plywood Wall Installed By Adjacent Property Owner*

## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%			2032	**			
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## Parking/Driveway

Cast in Place Concrete	100%	Now	\$2,800	2032	**			
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*Broken/Missing Elements, Extent : Moderate, Area Affected : 15%*

*Location : Side Yard*

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

## Under 600 Volts

## Service Equipment

Molded Case Bkrs	100%			2027	\$4,900	5	\$200	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Basement*

*Explanation : 456 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**  
**ENGINE CO. 262**  
**Asset # : 13151**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Transformers								
Not Accessible	100%							
Raceway								
Conduit	100%			2027	\$32,000	1		
Panelboards								
Molded Case Bkrs	100%			2026	\$39,400	5	\$200	
Wiring								
Thermoplastic	100%			2027	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,700	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	100%			2027	\$25,800	10	\$8,500	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Mostly T-8</i>					
Exterior Lighting								
HID	25%	0-2	\$3,600	2037	**			
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : First Floor</i>					
			<i>Explanation : Time Clock For Outdoor Lights Not Working</i>					
HID	25%			2027	\$9,000	10		
No Component	50%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2032	**	1	\$4,600	
Distribution								
Hot Wtr Piping/Pump	100%			2035	**	4	\$500	
Terminal Devices								
Convactor/Radiator	95%			2032	**	1	\$2,900	
Unit Heater - Steam	5%			2027	\$1,600	4		
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 262**  
**Asset # : 13151**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
<b>Conversion Equipment</b>								
	Exterior Pkg Unit - Cooling	25%	Now	\$18,000	2037	**	2	\$100
		<i>Broken, Extent : Severe, Area Affected : 50%</i>						
		<i>Location : 2nd Floor</i>						
	Window/Wall Unit	75%	0-2	\$8,300	2025	\$13,900	1	
		<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 1st And 2nd Floor</i>						
<b>Distribution</b>								
	Ductwork/Diffusers	25%			LIFE	**	2	\$3,000
	No Component	75%						
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,200
<b>Exhaust Fans</b>								
	Interior	5%	Now	\$1,600	2037	**	2	
		<i>Abandoned in Place, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
	Roof	50%			2027	\$7,400	2	\$100
	Roof	45%	Now	\$6,600	2037	**	2	\$100
		<i>Broken, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Roof</i>						
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Galvanized Steel	100%			2040	**	1	
<b>Water Heater</b>								
	Gas Fired	100%			2022	\$5,400	2	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 -75 Gallon Units</i>						
<b>Sanitary Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Storm Drain Piping</b>								
	Cast Iron	90%			LIFE	**	1	
	Cast Iron	10%	Now	\$1,900	LIFE	**	1	
		<i>Blockage /Clogged, Extent : Light, Area Affected : 30%</i>						
		<i>Location : Outdoor Pit Drain Near Basement Mechanical Room</i>						
<b>Sump Pump(s)</b>								
	Submersible	100%			2020	\$300	4	\$300
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units In Adjacent Room Undersized</i>						
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 262**  
**Asset # : 13151**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression								
Chemical System								
	Wet	10%			2025	\$2,700	1-3	\$400
	No Component	90%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 27-Apr-2016 Landmark Status : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 688 Lot : 17 BIN : 4011565

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$168,000	
Interior Architecture	\$156,700	
Electrical		\$39,400
Mechanical		\$36,000
<b>Total</b>	<b>\$324,700</b>	<b>\$75,300</b>
Importance Code A	\$168,000	
Importance Code B	\$156,700	\$75,300
<b>Total</b>	<b>\$324,700</b>	<b>\$75,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$41,000		\$14,000	
Interior Architecture	\$76,700	\$1,000		\$500
Electrical	\$3,000	\$400	\$32,900	\$300
Mechanical	\$26,600	\$700	\$8,900	\$600
<b>Total</b>	<b>\$147,300</b>	<b>\$2,100</b>	<b>\$55,700</b>	<b>\$1,400</b>
Importance Code A	\$41,400	\$400	\$14,500	\$400
Importance Code B	\$69,000	\$1,600	\$41,200	\$1,000
Importance Code C	\$36,900			
<b>Total</b>	<b>\$147,300</b>	<b>\$2,100</b>	<b>\$55,700</b>	<b>\$1,400</b>



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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. 263/LADDER CO. 117**  
**Asset # : 13152**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$168,000	LIFE	**	5	\$27,300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	3%			LIFE	**	5	\$900	
Masonry: Limestone	15%	Now	\$32,600	LIFE	**	5	\$4,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : North Facade</i>								
Metal Sect. OHD	12%			2040	**	5	\$14,600	
Windows								
Aluminum	100%			2035	**	5	\$2,100	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$2,600	
Masonry: Brick	90%			LIFE	**	5	\$3,000	
Roof								
Modified Bitumen	95%			2032	**	10	\$14,000	
Skylight, Metal/Glass	5%			2047	**	10	\$2,500	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$50,800	LIFE	**	5	\$17,500	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Floor On Ladder Side</i>								
<i>Explanation : Structurally Inadequate</i>								
Ceramic Tile	10%			2036	**	5	\$2,000	
Quarry Tile	10%			2040	**	5	\$3,000	
Vinyl Tile	20%	2-4	\$13,900	2032	**	3	\$1,500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
Wood	20%	0-2	\$40,300	2042	**	5	\$3,700	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 3rd Floor Gymnasium</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 263/LADDER CO. 117**  
**Asset # : 13152**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	10%	Now	\$3,900	2030	**	5	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Third Floor Bathroom</i>								
Masonry: Brick	20%	0-2	\$21,800	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Cellar</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Cellar</i>								
Plaster	50%	Now	\$11,200	LIFE	**	5	\$4,100	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Bunk Room East Wall At Window</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 80%</i>								
<i>Location : 3rd Floor Around Roof Scuttle</i>								
SGFT/Glazed Masonry	20%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	20%	0-2	\$6,600	2040	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor At Lockers And Bathroom, Kitchen</i>								
Embossed Metal	20%	4+	\$7,200	LIFE	**	5	\$1,800	
<i>Bent/Warped Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room Throughout</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
Exposed Concrete	20%	0-2	\$65,500	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement Throughout</i>								
Plaster	40%	Now	\$10,700	LIFE	**	5	\$5,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 3rd Floor Roof Scuttle Throughout</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Roof Scuttle</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2040	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	100%			2027	\$4,900	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 263/LADDER CO. 117**  
**Asset # : 13152**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Raceway								
Conduit	100%			2027	\$32,000	1		
Panelboards								
Molded Case Bkrs	100%			2026	\$39,400	5	\$100	
Wiring								
Braided Cloth	20%			2026	\$5,700	1		
Thermoplastic	80%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,700	5		
Ground								
Grounding Devices								
Generic	100%	Now	\$1,000	LIFE	**	5	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main Ground Clamp Is Severely Corroded.</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2032	**	1	\$1,400	
Generators								
Diesel	100%			2030	**	1	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 60 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$200	
Fuel Storage								
Day Tank	20%			2035	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 120 Gallons</i>								
Main Tank	80%			2042	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	95%			2022	\$11,600	10	\$3,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 And T-12, 50/50</i>								
Incandescent	5%			2027	\$1,400	2		
Exterior Lighting								
HID	100%			2022	\$17,000	10		

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

Heating

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. 263/LADDER CO. 117**  
**Asset # : 13152**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$4,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : There Is Only One Thermostat In The Building</i>								
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$1,400	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Split Unit	40%	Now	\$14,400	2027	\$36,000			
<i>Malfunctioning, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Kitchen And Engine Side 1st Floor Back Room</i>								
Window/Wall Unit	60%	Now	\$2,600	2022	\$5,300	1		
<i>Malfunctioning, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : 2nd And 3rd Floors</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$500	
No Component	80%							
Exhaust Fans								
Roof	20%			2027	\$1,400	2		
Wall Unit	20%			2022	\$300	2		
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2027	\$31,400	1		
Water Heater								
Gas Fired	100%			2022	\$2,600	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units 74 Gallon</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. 263/LADDER CO. 117**  
**Asset # : 13152**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sanitary Piping Cast Iron	100%	Now	\$6,200	LIFE	**	1		
<i>Blockage /Clogged, Extent : Light, Area Affected : 20%</i>								
<i>Location : Kitchen And Toilets</i>								
<i>Corroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Truck Side Rear</i>								
Storm Drain Piping Cast Iron	100%	Now	\$2,600	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Water Backs Up In Basement</i>								
<i>Corroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Sump Pump(s) Submersible	100%			2020	\$100	4	\$100	
Fixtures Generic	100%							
Fire Suppression								
Chemical System Wet	10%			2025	\$2,700	1-3	\$400	
No Component	90%							

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47  
**Address** : 303 BEACH 49 STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.265 / 13154 **Yr Built/Renovated** : 2004 /  
**Area Sq Ft** : 18,010 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 22-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 15926 **Lot** : 44 **BIN** : 4302052

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Interior Architecture		\$41,300
<b>Total</b>		<b>\$41,300</b>
Importance Code B		\$41,300
<b>Total</b>		<b>\$41,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$11,000	\$26,300		\$12,500
Interior Architecture	\$2,400	\$5,700	\$1,300	
Electrical	\$1,300	\$1,600	\$3,100	\$17,900
Mechanical	\$2,600	\$2,100	\$2,500	\$2,100
Site Enclosure	\$4,100			
<b>Total</b>	<b>\$21,200</b>	<b>\$35,700</b>	<b>\$6,900</b>	<b>\$32,500</b>
Importance Code A	\$11,900	\$27,200	\$900	\$13,400
Importance Code B	\$2,900	\$8,600	\$5,400	\$19,100
Importance Code C	\$6,400		\$600	
<b>Total</b>	<b>\$21,200</b>	<b>\$35,700</b>	<b>\$6,900</b>	<b>\$32,500</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**  
**ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47**  
**Asset # : 13154**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Concrete Masonry Unit	25%			LIFE	**	5	\$6,900	
Exposed Struc: Steel	5%			LIFE	**	5	\$6,900	
Masonry: Brick	55%			LIFE	**	5	\$24,300	
Metal Sect. OHD	10%			2041	**	5	\$13,800	
Window Wall	5%			2048	**	5	\$8,300	
<b>Windows</b>								
Aluminum	95%			2044	**	5	\$2,900	
Metal Louvers	5%			2037	**	10	\$1,000	
<b>Parapets</b>								
Concrete Masonry Unit	25%			LIFE	**	5	\$1,200	
Masonry: Brick	60%			LIFE	**	5	\$2,600	
Metal Panel	5%			2048	**	5	\$900	
Metal Rail	10%			2041	**	5-10	\$8,000	
<b>Roof</b>								
Metal Panel	25%			2041	**	10	\$14,600	
Modified Bitumen	50%	Now	\$11,000	2033	**			
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : Over The Second Floor</i>								
Modified Bitumen	25%			2033	**	10	\$7,900	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Over The Second Floor</i>								
<i>Explanation : Concrete Pavers</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	70%			LIFE	**	5	\$41,300	
Ceramic Tile	5%			2037	**	5	\$1,300	
Quarry Tile	5%			2041	**	5	\$2,000	
Vinyl Tile	20%			2033	**	3	\$2,000	
<b>Interior Walls</b>								
Ceramic Tile	5%			2037	**	5	\$1,200	
Concrete Masonry Unit	40%			LIFE	**	5	\$4,000	
Gypsum Board	45%	Now	\$2,400	LIFE	**	5	\$6,700	
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
Masonry: Brick	5%			LIFE	**			
Wood	5%			LIFE	**	5	\$5,000	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	30%			2041	**	5	\$8,100	
Exposed Struc: Steel	60%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$3,400	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	50%			2048	**			
Iron Picket	50%	Now	\$2,300	2063	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47**  
**Asset # : 13154**

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

## Site Enclosure

## Free Standing Walls

Concrete Masonry Unit	100%	Now	\$1,700	2048	**			
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Throughout**Other Observation, Extent : Light, Area Affected : 5%**Location : Masonry Free Standing Wall**Explanation : Decorative Steel Detailing Above Needs Re - Anchoring*

## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%			2048	**			
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## Parking/Driveway

Asphalt	80%			2043	**			
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Cast in Place Concrete	20%			2048	**			
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<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2048	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Electrical Room 1st Floor**Explanation : Two 400 Amperes For Building And Mechanical Equipment; One 200**Amperes For Emergency*

## Switchgear / Switchboard

Fused Disc Sw	100%			2048	**	5	\$100	
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## Raceway

Conduit	100%			2048	**	1		
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## Panelboards

Fused Disc Sw	10%			2044	**	5		
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Molded Case Bkrs	90%			2044	**	5	\$400	
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## Wiring

Thermoplastic	100%			2048	**	1		
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## Motor Controllers

Locally Mounted	100%			2041	**	5	\$100	
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## Ground

## Grounding Devices

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

## Transfer Switches

Automatic	100%			2041	**	1	\$5,500	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Electrical Room**Explanation : Three Automatic Transfer Switches*

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. 265/LADDER CO. 121 / EMS STATION 47**  
**Asset # : 13154**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
<b>Generators</b>								
Diesel	100%			2037	**	1	\$7,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 80 Kva</i>								
<b>Batteries</b>								
Lead/Acid	100%			2022	\$1,500	5	\$700	
<b>Fuel Storage</b>								
Main Tank	100%			2056	**	5	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 60 Gallons</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	100%			2033	**	10	\$16,500	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<b>Egress Lighting</b>								
Emergency, Service	60%			2033	**	1		
Exit, LED	40%			2056	**	1		
<b>Exterior Lighting</b>								
HID	100%			2033	**	10	\$100	
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	100%			2048	**	1		
<b>Conversion Equipment</b>								
Furnace	40%			2033	**	1	\$3,600	
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Roof</i>								
<i>Explanation : 6 Roof Top Package Units</i>								
Hot Water Boiler	60%			2041	**	1	\$5,300	
<i>Other Observation, Extent : Light, Area Affected : 60%</i>								
<i>Location : 1st Floor Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
<b>Distribution</b>								
Hot Wtr Piping/Pump	60%	0-2	\$800	2044	**	4	\$500	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Mechanical Room</i>								
No Component	40%							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47**

**Asset # : 13154**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Air Handler	20%			2033	**	1	\$2,200	
Convactor/Radiator	10%			2041	**	1	\$600	
Unit Heater - Steam	30%			2028	\$18,500	4	\$700	
No Component	40%							
Air Conditioning								
Energy Source								
Electricity	100%			2044	**	1		
Conversion Equipment								
Reciprocating Compr/Chiller	20%			2033	**	1	\$1,700	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 20%</i>						
		<i>Location : 2nd Floor Mechanical Room</i>						
Ext Pkg Unit - Heating/Cooling	50%			2033	**	2	\$600	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 50%</i>						
		<i>Location : 6 Roof Top Package Units</i>						
No Component	30%							
Terminal Devices								
Air Handler/Dir Expansion	20%			2033	**	1		
No Component	80%							
Heat Rejection								
Air Cooled Condenser Unit	20%			2033	**	2	\$2,500	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	70%			LIFE	**	2-5	\$7,000	
No Component	30%							
Exhaust Fans								
Interior	20%			2033	**	2	\$100	
Roof	50%			2033	**	2	\$300	
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	**	1		
Water Heater								
Gas Fired	100%			2026	\$10,500	2	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Boiler Room</i>						
		<i>Explanation : 2 - 100 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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

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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. 265/LADDER CO. 121 / EMS STATION 47**  
**Asset # : 13154**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component</b>	<b>% of</b>	<b>Fail Date</b>	<b>Estimated Cost</b>	<b>Year</b>	<b>Estimated Cost</b>	<b>Cycle</b>	<b>Estimated Cost</b>
<b>Type</b>		<b>Total</b>	<b>(Years)</b>		<b>FY</b>		<b>(Yrs)</b>	
Plumbing								
	Backflow Preventer							
	Generic	100%			2033	**	1	\$1,100
Fixtures								
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 22-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 16127 **Lot** : 1 **BIN** : 4439014

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$82,100	\$174,900
Interior Architecture		\$35,400
Electrical		\$38,800
Mechanical		\$61,200
<b>Total</b>	<b>\$82,100</b>	<b>\$310,300</b>
Importance Code A	\$82,100	\$174,900
Importance Code B		\$135,400
<b>Total</b>	<b>\$82,100</b>	<b>\$310,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$39,700			
Interior Architecture	\$75,200			\$900
Electrical	\$38,300	\$11,900	\$2,100	\$900
Mechanical	\$31,600	\$1,600	\$1,700	\$1,600
Site Enclosure	\$2,400			
Site Pavements	\$5,200			
<b>Total</b>	<b>\$192,400</b>	<b>\$13,500</b>	<b>\$3,800</b>	<b>\$3,400</b>
Importance Code A	\$40,900	\$1,200	\$1,200	\$1,200
Importance Code B	\$94,600	\$12,300	\$2,600	\$2,200
Importance Code C	\$56,900			
<b>Total</b>	<b>\$192,400</b>	<b>\$13,500</b>	<b>\$3,800</b>	<b>\$3,400</b>



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. 266**  
**Asset # : 13155**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	20%			LIFE	**	5	\$5,600	
Masonry: Granite	5%			LIFE	**	5	\$1,000	
Masonry: Limestone	5%			LIFE	**	5	\$1,000	
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Underside Of Cornice; Front Facade.</i>								
Stucco Cement	50%	Now	\$82,100	2039	**	5	\$17,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Side And Rear Walls</i>								
Stucco Cement	10%			2039	**	5	\$6,900	
Wood Overhead Doors	10%	0-2	\$9,000	2031	**	5	\$6,900	
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Lower Part Of Door And Frame</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : Front Of Building</i>								
Windows								
Aluminum	100%	Now	\$2,600	2048	**	5	\$1,500	
<i>Glazing Broken/Cracked, Extent : Light, Area Affected : 2%</i>								
<i>Location : Bathroom, Third Floor.</i>								
<i>Unit Inoperable, Extent : Light, Area Affected : 2%</i>								
<i>Location : Rope Holding Closed Casement On The Third Floor In The Workout Room.</i>								
Parapets								
Masonry: Limestone	10%	Now	\$1,900	LIFE	**	5	\$500	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Coping.</i>								
Stucco Cement	90%			2039	**	5	\$8,300	
Roof								
Modified Bitumen	75%	Now	\$26,200	2026	\$131,100			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Flashing Misaligned Along Parapet On Roof Access Hatch Side.</i>								
<i>Ponding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Third Floor Roof.</i>								
Modified Bitumen	25%			2026	\$43,700	10	\$3,200	
Interior								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 266**  
**Asset # : 13155**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior Floors								
Cast in Place Concrete	45%	Now	\$4,300	LIFE	**	5	\$17,600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement.</i>								
Ceramic Tile	10%	Now	\$1,800	2029	\$35,400	5	\$900	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Quarry Tile	5%	2-4	\$1,300	2031	**	5	\$700	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	40%	Now	\$6,200	2031	**	3	\$2,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	10%	Now	\$13,900	2039	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen, Toilets</i>								
Masonry: Brick	5%	Now	\$9,800	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement, Throughout.</i>								
Plaster	55%	Now	\$11,100	LIFE	**	5	\$4,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	30%	Now	\$14,600	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Apparatus Floor.</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : Apparatus Floor</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 266**  
**Asset # : 13155**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%	Now	\$1,500	2039	**	5	\$400	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Kitchen</i>								
Metal Panel	5%			LIFE	**	5	\$1,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Toilet</i>								
Plaster	90%	Now	\$10,800	LIFE	**	5	\$10,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Second Floor Locker Room.</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement.</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%	Now	\$2,400	2046	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Gate</i>								
<b>Site Pavements</b>								
<b>Parking/Driveway</b>								
Asphalt	100%	Now	\$5,200	2035	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Lot</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	80%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room 1st Floor</i>								
<i>Explanation : 225 Amperes</i>								
Photovoltaic Panel(s)	20%			2035	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Serves Hot Water Heater</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 266**  
**Asset # : 13155**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Under 600 Volts								
Raceway								
	Conduit	60%			2046	**	1	
	Conduit	40%			2026	\$12,800	1	
<i>Covers Missing, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Panelboards								
	Molded Case Bkrs	60%			2042	**	5	\$200
	Molded Case Bkrs	40%			2025	\$15,700	5	\$100
Wiring								
	Thermoplastic	80%			2046	**	1	
	Thermoplastic	20%			2036	**	1	
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$200
Stand-by Power								
Transfer Switches								
	Automatic	100%			2039	**	1	\$3,700
Generators								
	Diesel	100%			2035	**	1	\$4,600
<i>Enclosure Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Exterior Exhaust Ductwork Disconnected</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 80 Kva</i>								
Batteries								
	Lead/Acid	100%			2020	\$1,500	5	\$400
Fuel Storage								
	Day Tank	100%			2042	**	5	\$2,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 125 Gallons</i>								
Lighting								
Interior Lighting								
	Fluorescent	100%			2031	**	10	\$11,000
<i>Motion Sensors in Use, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exterior Lighting								
	HID	50%			2026	\$23,000	10	
	HID	50%	Now	\$23,000	2036	**		
<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Exterior In Alleyway</i>								
Alarm								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 266**  
**Asset # : 13155**

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

## Alarm

## Fire/Smoke Detection

No Component

90%

Generic, Analog

10% Now

\$12,600 2036

\* \*

1-3

\$700

*Devices Missing, Extent : Severe, Area Affected : 100%**Location : Throughout**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : Throughout*

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

## Heating

## Energy Source

Natural Gas

100%

2046

\* \*

1

## Conversion Equipment

Steam Boiler

100%

2031

\* \*

1

\$11,800

## Distribution

Central Plant Steam

100%

2036

\* \*

4

\$900

Piping/Pmp

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

## Terminal Devices

Convactor/Radiator

100%

2024

\$61,200

1

\$3,900

*Corroded, Extent : Light, Area Affected : 60%**Location : All Floors*

## Air Conditioning

## Energy Source

Electricity

100%

2034

\* \*

1

## Conversion Equipment

Split Unit

10%

2031

\* \*

Window/Wall Unit

50% 0-2

\$7,100

2025

\$11,900

1

*Broken, Extent : Moderate, Area Affected : 75%**Location : All Floors*

No Component

40%

## Ventilation

## Distribution

Ductwork/Diffusers

10% Now

\$3,200

LIFE

\* \*

2-5

\$700

*Other Observation, Extent : Moderate, Area Affected : 20%**Location : Generator Exhaust**Explanation : Duct Not Sealed, Openings In Duct.*

No Component

90%

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 266**  
**Asset # : 13155**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Exhaust Fans								
Interior	20%	Now	\$8,100	2036	**	2	\$100	
	<i>Broken, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Toilet Rooms</i>							
Roof	10%			2026	\$1,900	2		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st Floor</i>							
	<i>Explanation : Kitchen Exhaust</i>							
Wall Unit	30%			2026	\$1,200	2	\$100	
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
	<i>Not Insulated, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Bathrooms</i>							
Water Heater								
Electric	50%			2024	\$5,000	4	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 50%</i>							
	<i>Location : Roof</i>							
	<i>Explanation : Solar Heater</i>							
Gas Fired	50%			2024	\$3,500	2	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 - 75 Gallon Units</i>							
Sanitary Piping								
Cast Iron	100%	Now	\$8,400	LIFE	**	1		
	<i>Leak Evident, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : 2nd To 1st Floor</i>							
Storm Drain Piping								
Cast Iron	100%	Now	\$2,400	LIFE	**	1		
	<i>Blockage /Clogged, Extent : Light, Area Affected : 20%</i>							
	<i>Location : 1st Floor</i>							
Sump Pump(s)								
Submersible	100%			2020	\$400	4	\$400	
Fixtures								
Generic	100%							

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 268/LADDER CO. 137  
**Address** : 257 BEACH 116th STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.268 / 13156 **Yr Built/Renovated** : 1913 /  
**Area Sq Ft** : 10,089 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 22-Jun-2015 **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** : Roof, Floors 1,2,3  
**Block** : 16212 **Lot** : 17 **BIN** : 4304442

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$73,600	\$147,300
Interior Architecture		\$61,400
Electrical		\$93,000
Mechanical		\$50,700
<b>Total</b>	<b>\$73,600</b>	<b>\$352,300</b>
Importance Code A	\$73,600	\$147,300
Importance Code B		\$205,100
<b>Total</b>	<b>\$73,600</b>	<b>\$352,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$30,300			
Interior Architecture	\$61,500			\$800
Electrical	\$23,400	\$10,900	\$100	\$200
Mechanical	\$8,200	\$1,300	\$1,400	\$1,300
<b>Total</b>	<b>\$123,400</b>	<b>\$12,200</b>	<b>\$1,500</b>	<b>\$2,300</b>
Importance Code A	\$31,300	\$1,000	\$1,000	\$1,000
Importance Code B	\$46,400	\$11,200	\$500	\$1,300
Importance Code C	\$45,700			
<b>Total</b>	<b>\$123,400</b>	<b>\$12,200</b>	<b>\$1,500</b>	<b>\$2,300</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 268/LADDER CO. 137**

**Asset # : 13156**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	8%			LIFE	**	5	\$19,600	
<i>Repairs in Progress, Extent : Light, Area Affected : 90%</i>								
<i>Location : Front Facade</i>								
Masonry: Brick	75%			LIFE	**	5	\$23,500	
<i>Repairs in Progress, Extent : Light, Area Affected : 25%</i>								
<i>Location : Front Facade</i>								
<i>Sidewalk Shed in Use, Extent : Light, Area Affected : 25%</i>								
<i>Location : Front And Part Of Side</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Masonry: Granite	2%	0-2	\$8,200	LIFE	**	5	\$500	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Metal, Corrugated	5%			2036	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Bulkhead At Roof</i>								
Metal Sect. OHD	10%			2039	**	5	\$9,800	
Windows								
Aluminum	100%			2034	**	5	\$800	
Parapets								
Cast Stone/Terra Cotta	20%	Now	\$700	LIFE	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : North Side Of Roof</i>								
Masonry: Brick	80%			LIFE	**	5	\$1,000	
Roof								
Built-Up (BUR)	80%	Now	\$73,600	2026			\$147,300	
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor Roof.</i>								
<i>Debris on Roof, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Single Ply Membrane	15%	Now	\$19,300	2026			\$32,200	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Second Floor Open Porch Floor.</i>								
<i>Explanation : Improperly Pitched.</i>								
Skylight, Metal/Glass	5%	Now	\$2,000	2036	**			1
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Hose Tower</i>								

Interior

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 268/LADDER CO. 137**  
**Asset # : 13156**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$10,600	
Ceramic Tile	10%			2035	**	5	\$1,600	
Quarry Tile	5%	0-2	\$1,300	2039	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
Terrazzo	5%			LIFE	**	5	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : On Stair And Landings</i>								
<i>Explanation : Terrazzo</i>								
Vinyl Tile	40%	Now	\$3,100	2026	\$61,400	3	\$2,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
Wood	10%			2054	**	5	\$3,000	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Bunkroom</i>								
Interior Walls								
Ceramic Tile	10%			2035	**	5	\$2,200	
Plaster	55%	Now	\$11,000	LIFE	**	5	\$3,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	35%	Now	\$33,600	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Apparatus Room</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Room</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 268/LADDER CO. 137**  
**Asset # : 13156**

Architecture		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

Acous Tile Susp. Lay-In	10%			2039	**	5	\$1,600	
Plaster	90%	Now	\$10,700	LIFE	**	5	\$9,100	

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

*Location : Throughout*

*Paint Peeling, Extent : Moderate, Area Affected : 25%*

*Location : Throughout*

*Staining/Discoloring, Extent : Light, Area Affected : 10%*

*Location : Balcony*

*Water Penetration, Extent : Severe, Area Affected : 10%*

*Location : 3rd Floor Throughout*

*Other Observation, Extent : Light, Area Affected : 15%*

*Location : Balcony*

*Explanation : Exterior Space*

Electrical		Current Repair		Future 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

Photovoltaic Panel(s)	10%			2035	**	1		
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Roof*

*Explanation : Serves Hot Water Heater*

Not Accessible	90%							
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## Switchgear / Switchboard

Molded Case Bkrs	100%			2026	\$54,400	5	\$300	
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## Raceway

Conduit	100%			2026	\$34,900	1		
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## Panelboards

Molded Case Bkrs	10%			2042	**	5		
Molded Case Bkrs	90%			2025	\$38,600	5	\$200	

## Wiring

Thermoplastic	100%			2046	**	1		
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## Motor Controllers

Locally Mounted	100%			2031	**	5	\$100	
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## Ground

## Grounding Devices

Not Accessible	100%							
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## Lighting

## Interior Lighting

Fluorescent	100%			2026	\$30,500	10	\$9,300	
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*Motion Sensors in Use, Extent : Light, Area Affected : 100%*

*Location : Throughout*

*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.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 268/LADDER CO. 137**  
**Asset # : 13156**

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

**Lighting**

## Exterior Lighting

HID	25%			2021	\$10,600	10		
No Component	75%							

**Alarm**

## Fire/Smoke Detection

No Component	80%							
Generic, Analog	20%	Now	\$23,300	2036	**	1-3	\$1,100	

*Devices Missing, Extent : Severe, Area Affected : 100%**Location : Throughout**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : Throughout**Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout**Explanation : Obsolete*

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

**Heating**

## Energy Source

Natural Gas	100%			2046	**	1		
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## Conversion Equipment

Steam Boiler	100%			2031	**	1	\$10,000	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : All Floors**Explanation : Unit Requires Repair Often In Winter As Reported By Users*

## Distribution

Central Plant Steam Piping/Pmp	100%			2036	**	4	\$700	
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## Terminal Devices

Convactor/Radiator	90%			2024	\$50,700	1	\$2,900	
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*Corroded, Extent : Light, Area Affected : 100%**Location : All Floors*

Unit Heater - Steam	10%			2026	\$3,800	4	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor**Explanation : Serves Engine Bay***Air Conditioning**

## Energy Source

Electricity	100%			2034	**	1		
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## Conversion Equipment

Window/Wall Unit	50%	0-2	\$6,600	2025	\$11,000	1		
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*Broken, Extent : Light, Area Affected : 50%**Location : All Floors*

No Component	50%							
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**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. 268/LADDER CO. 137**

**Asset # : 13156**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
	Exhaust Fans							
	Roof	10%			2026	\$1,700	2	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Kitchen Exhaust</i>					
	Wall Unit	30%			2026	\$1,100	2	\$100
	No Component	60%						
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2036	**	1	
			<i>Not Insulated, Extent : Moderate, Area Affected : 80%</i>					
			<i>Location : All Floors</i>					
	Water Heater							
	Electric	50%			2024	\$4,600	4	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : Solar</i>					
	Gas Fired	50%			2024	\$3,200	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Mechanical Room</i>					
			<i>Explanation : 2 - 75 Gallon Units</i>					
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Main Drain</i>					
			<i>Explanation : Combination Drain, Backs Up During Heavy Rain</i>					
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 03-Jun-2015 **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 3281 **Lot** : 22 **BIN** : 3074885

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$468,300	\$162,100
Interior Architecture	\$60,500	\$180,000
Electrical		\$126,300
<b>Total</b>	<b>\$528,800</b>	<b>\$468,400</b>
Importance Code A	\$468,300	\$162,100
Importance Code B	\$60,500	\$270,000
Importance Code C		\$36,300
<b>Total</b>	<b>\$528,800</b>	<b>\$468,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$100,100	\$7,800		
Interior Architecture	\$84,400	\$600		\$600
Electrical	\$4,800	\$200		
Mechanical	\$2,700	\$30,600	\$3,400	\$2,000
<b>Total</b>	<b>\$191,900</b>	<b>\$39,200</b>	<b>\$3,400</b>	<b>\$2,700</b>
Importance Code A	\$101,300	\$9,100	\$1,300	\$1,300
Importance Code B	\$50,400	\$30,200	\$2,200	\$1,400
Importance Code C	\$40,200			
<b>Total</b>	<b>\$191,900</b>	<b>\$39,200</b>	<b>\$3,400</b>	<b>\$2,700</b>



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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	Priority
Exterior								
Exterior Walls								
Masonry: Brick	62%	Now	\$387,400	LIFE	**	5	\$19,200	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout.</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%	4+	\$10,200	LIFE	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Front Facade At Grade Level</i>								
Masonry: Limestone	15%	0-2	\$11,300	LIFE	**	5	\$3,500	
<i>Staining/Discoloring, Extent : Light, Area Affected : 15%</i>								
<i>Location : Front Facade.</i>								
Metal Panel	3%	Now	\$7,400	2056	**	5	\$1,700	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Stair Bulkhead On Roof</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Stair Bulkhead On Roof</i>								
Stucco Cement	5%	Now	\$15,000	2031	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Front Facade At Roof/ Parapet Level</i>								
Wood Overhead Doors	10%			2031	**	5	\$15,500	
Windows								
Aluminum	100%	Now	\$19,900	2034	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Toilet Room Third Floor.</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$2,200	
Masonry: Brick	80%	Now	\$39,400	LIFE	**	5	\$1,500	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade/ West Parapet</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Front Facade/ West Parapet</i>								
<i>Spalling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	5%	Now	\$3,800	LIFE	**	5	\$600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Located At Front Facade.</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Located At Front Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Located At Front Facade.</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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	Priority
Exterior								
Roof								
Built-Up (BUR)	85%	Now	\$32,400	2026	\$162,100			
<i>Blisters, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout.</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 3rd Floor Lounge And Workout Room.</i>								
Skylight, Metal/Glass	10%	0-2	\$41,500	2036	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof And Stair Bulkhead</i>								
Skylight, Metal/Glass	5%			2036	**	10	\$2,100	
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$4,500	LIFE	**	5	\$16,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Engine Side Basement.</i>								
Ceramic Tile	5%	Now	\$900	2029	\$18,600	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Laundry Room And Bathroom</i>								
Quarry Tile	5%			2031	**	5	\$1,300	
Vinyl Tile	30%	Now	\$24,400	2026	\$48,900	3	\$1,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd And 3rd Floors</i>								
Wood	15%			2029	\$94,800	5	\$4,800	
Interior Walls								
Ceramic Tile	5%			2029	\$36,300	5	\$1,200	
Gypsum Board	10%			LIFE	**	5	\$1,400	
Masonry: Brick	20%	Now	\$20,500	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement Foundation Wall</i>								
Plaster	30%	Now	\$3,200	LIFE	**	5	\$2,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunk Room And Toilet Room On The Truck Side.</i>								
SGFT/Glazed Masonry	15%	Now	\$15,300	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
SGFT/Glazed Masonry	10%			LIFE	**			
Wood	10%	Now	\$1,200	LIFE	**	5	\$9,500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Staircase On The Engine/ Chief Side Was Missing Balusters.</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 271/LADDER CO. 124**  
**Asset # : 13158**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%	Now	\$1,600	2031	**	5	\$900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st And 2nd Floors</i>								
Embossed Metal	50%	Now	\$8,400	LIFE	**	5	\$3,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 8%</i>								
<i>Location : Throughout 1st Floor</i>								
Exposed Struc: Steel	5%	Now	\$60,500	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Basement (2) Sides.</i>								
Plaster	35%	Now	\$4,400	LIFE	**	5	\$3,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Workout Room.</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Workout Room And 2nd Floor Bunk Room.</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2026	\$5,400	5	\$100	
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2026	\$54,400	5	\$300	
<b>Raceway</b>								
Conduit	100%			2036	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	80%			2025	\$34,300	5	\$300	
Molded Case Bkrs	20%			2042	**	5	\$100	
<b>Wiring</b>								
Thermoplastic	100%			2036	**	1		
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$200	
<b>Lighting</b>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 271/LADDER CO. 124**  
**Asset # : 13158**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	85%			2026	\$33,600	10	\$10,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	10%			2026	\$4,000	10	\$1,200	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%	Now	\$4,700	2036	* *	2		
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement, Electrical Service Side</i>								
Exterior Lighting								
HID	75%			2031	* *	10		
No Component	25%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2046	* *	1		
Conversion Equipment								
Furnace	1%			2026	\$300	1	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Engine Bay</i>								
<i>Explanation : Gas Fired Unit Heater</i>								
Steam Boiler	99%			2039	* *	1	\$12,900	
Distribution								
Central Plant Steam Piping/Pmp	100%			2046	* *	4	\$600	
Terminal Devices								
Convactor/Radiator	100%			2031	* *	1	\$4,200	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2042	* *	1		
Conversion Equipment								
Window/Wall Unit	70%			2021	\$19,900	1		
No Component	30%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$7,300	
Exhaust Fans								
Roof	40%			2026	\$9,100	2	\$200	
Wall Unit	60%			2026	\$2,900	2	\$200	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2046	* *	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 271/LADDER CO. 124**  
**Asset # : 13158**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Water Heater Gas Fired	100%			2021	\$8,300	2	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 - 75 Gallon Units</i>					
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Submersible	100%			2020	\$500	4	\$400
	Fixtures Generic	100%						
Fire Suppression	Chemical System Generic	100%			2024	\$29,100	1-3	\$3,700

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 6,120 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 05-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5019 **Lot** : 66 **BIN** : 4113561

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Interior Architecture	\$152,100	
<b>Total</b>	<b>\$152,100</b>	
Importance Code B	\$152,100	
<b>Total</b>	<b>\$152,100</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$2,000		\$13,200	
Interior Architecture	\$10,400	\$500		\$300
Electrical	\$3,200	\$100	\$2,100	
Mechanical	\$4,500	\$1,000	\$9,400	\$800
Site Pavements	\$14,900			
<b>Total</b>	<b>\$34,900</b>	<b>\$1,600</b>	<b>\$24,600</b>	<b>\$1,200</b>
Importance Code A	\$2,600	\$600	\$13,800	\$600
Importance Code B	\$7,900	\$700	\$10,800	\$600
Importance Code C	\$24,400	\$300		
<b>Total</b>	<b>\$34,900</b>	<b>\$1,600</b>	<b>\$24,600</b>	<b>\$1,200</b>



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. 273/LADDER CO. 129**

**Asset # : 13159**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$14,300	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North And West Façade</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,300	
Wood Overhead Doors	10%			2032	**	5	\$8,900	
Windows								
Aluminum	100%	0-2	\$2,000	2043	**	5	\$200	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	85%			LIFE	**	5	\$1,900	
Masonry: Limestone	10%			LIFE	**	5	\$300	
Pre-Cast Concrete	5%			LIFE	**	5	\$700	
Roof								
Modified Bitumen	100%			2032	**	10	\$8,700	
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$10,800	
Ceramic Tile	5%			2036	**	5	\$400	
Quarry Tile	5%			2040	**	5	\$600	
Vinyl Tile	30%			2035	**	3	\$1,200	
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$600	
Masonry: Brick	15%			LIFE	**			
Plaster	50%	Now	\$9,600	LIFE	**	5	\$1,800	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Second Floor</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Wood	5%			LIFE	**	5	\$2,300	
Ceilings								
AcousTileSusp.Lay-In	5%			2040	**	5	\$500	
Exposed Concrete	50%	Now	\$152,100	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basemnet</i>								
<i>Explanation : Lally Columns In Basement Shore Up Apparatus Floor Above.</i>								
Plaster	45%			LIFE	**	5	\$2,600	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2047	**			
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. 273/LADDER CO. 129**  
**Asset # : 13159**

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

## Site Pavements

## On-Site Walkways

Cast in Place Concrete	100%			2040	**			
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## Parking/Driveway

Cast in Place Concrete	100%	2-4	\$14,900	2040	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 20%**Location : Cracking At Ohd*

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

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2027	\$4,900	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Switch Rated At 400 Amperes*

## Raceway

Conduit	100%			2027	\$32,000	1		
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## Panelboards

Fused Disc Sw	20%	4+	\$1,600	2026	\$7,900	5		
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*Enclosure Damaged, Extent : Light, Area Affected : 100%**Location : Basement*

Molded Case Bkrs	80%			2026	\$31,500	5	\$100	
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## Wiring

Thermoplastic	100%			2027	\$28,300	1		
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## Motor Controllers

Locally Mounted	100%			2032	**	5		
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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## Lighting

## Interior Lighting

Fluorescent	80%			2027	\$13,600	10	\$4,500	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : 3rd Floor*

Incandescent	5%			2022	\$2,000	2		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Tv Room**Explanation : Downlights*

LED	15%			2032	**			
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*Recent Replace Evident, Extent : Light, Area Affected : 100%**Location : Kitchen*

## Exterior Lighting

HID	100%			2027	\$23,600	10		
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## Alarm

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 273/LADDER CO. 129**  
**Asset # : 13159**

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

**Alarm**

## Fire/Smoke Detection

No Component

95%

Generic, Analog

5% 0-2

\$1,600

2027

\$3,200

1-3

\$200

*Devices Missing, Extent : Light, Area Affected : 100%**Location : Throughout**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : Throughout*

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

**Heating**

## Energy Source

Natural Gas

100%

2053

\* \*

1

## Conversion Equipment

Steam Boiler

100%

2040

\* \*

1

\$6,100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

## Distribution

Central Plant Steam

100%

2037

\* \*

4

\$500

Piping/Pmp

## Terminal Devices

Convactor/Radiator

100%

2032

\* \*

1

\$2,000

**Air Conditioning**

## Energy Source

Electricity

100%

2035

\* \*

1

## Conversion Equipment

Exterior Pkg Unit -

20%

2035

\* \*

2

\$100

Cooling

Split Unit

20%

2032

\* \*

Window/Wall Unit

40%

2022

\$4,900

1

No Component

20%

**Ventilation**

## Distribution

Ductwork/Diffusers

20%

LIFE

\* \*

2-5

\$700

No Component

80%

## Exhaust Fans

Roof

20%

2027

\$1,900

2

Wall Unit

15%

2027

\$300

2

No Component

65%

**Plumbing**

## H/C Water Piping

Brass/Copper

100%

2037

\* \*

1

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 273/LADDER CO. 129**  
**Asset # : 13159**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Gas Fired	100%			2022	\$3,600	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2-75 Gallon Units</i>								
	Sanitary Piping Cast Iron	100%	Now	\$2,100	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement</i>								
	Storm Drain Piping Cast Iron	100%	Now	\$1,200	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Water Backs Up In Basement</i>								
	Sump Pump(s) Submersible	100%			2020	\$200	4	\$200
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System No Component Generic	95%			2025	\$1,300	1-3	\$200
		5%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 05-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5058 **Lot** : 37 **BIN** : 4114925

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$39,200	
<b>Total</b>	<b>\$39,200</b>	
Importance Code A	\$39,200	
<b>Total</b>	<b>\$39,200</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$51,400		\$4,100	
Interior Architecture	\$38,600	\$300	\$500	\$400
Electrical	\$6,200	\$500	\$13,900	\$500
Mechanical	\$1,200	\$1,000	\$5,800	\$900
Site Enclosure	\$200			
Site Pavements	\$8,000			
<b>Total</b>	<b>\$105,600</b>	<b>\$1,800</b>	<b>\$24,300</b>	<b>\$1,800</b>
Importance Code A	\$52,000	\$600	\$4,800	\$600
Importance Code B	\$42,400	\$1,200	\$19,500	\$1,200
Importance Code C	\$11,100	\$100		
<b>Total</b>	<b>\$105,600</b>	<b>\$1,800</b>	<b>\$24,300</b>	<b>\$1,800</b>



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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 274**  
**Asset # : 13160**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	77%	Now	\$39,200	LIFE	**	5	\$12,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Facade</i>								
Masonry: Granite	3%			LIFE	**	5	\$400	
Masonry: Limestone	10%	Now	\$18,400	LIFE	**	5	\$1,200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade</i>								
Wood Overhead Doors	10%			2032	**	5	\$8,300	
Windows								
Aluminum	100%	Now	\$1,800	2043	**	5	\$200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Second Floor</i>								
Parapets								
Wood Cornice	100%			2037	**	5-10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Wood Overhang</i>								
Roof								
Asphalt Shingle	100%	Now	\$31,200	2042	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$8,300	
Cast in Place Concrete	15%			LIFE	**	5	\$3,100	
Ceramic Tile	5%			2036	**	5	\$500	
Quarry Tile	5%			2040	**	5	\$700	
Vinyl Tile	30%	2-4	\$24,700	2037	**	3	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
Wood	5%			2055	**	5	\$900	
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$100	
Plaster	70%	Now	\$3,000	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Hose Tower</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 85%</i>								
<i>Location : Hose Tower</i>								
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.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 274**  
**Asset # : 13160**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2032	**	5	\$900	
Exposed Concrete	30%			LIFE	**	5	\$400	
Exposed Struc: Steel	20%			LIFE	**			
Plaster	40%	Now	\$10,200	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Second Floor And Hose Tower</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Second Floor And Hose Tower</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Locker / Corridor On 2nd Floor</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%	2-4	\$200	2053	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Backyard</i>								
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%	Now	\$8,000	2040	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Sidewalk Hatch To Basement Failed</i>								
<i>Explanation : Leaks Into Basement</i>								
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2037	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Switch Rated At 200 Amperes</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2037	**	5	\$200	
<b>Raceway</b>								
Conduit	100%			2037	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2035	**	5	\$200	
<b>Wiring</b>								
Thermoplastic	100%			2037	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2032	**	5		
<b>Ground</b>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 274**  
**Asset # : 13160**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%	2-4	\$3,900	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
<b>Stand-by Power</b>								
Transfer Switches Automatic	100%			2032	**	1	\$1,900	
Generators Diesel	100%			2030	**	1	\$2,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside The Building</i>								
<i>Explanation : Emergency Generator Rated At 80 Kva</i>								
Batteries Lead/Acid	100%			2020	\$1,500	5	\$200	
Fuel Storage Main Tank	100%			2042	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 60 Gallons</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	40%			2027	\$6,900	10	\$2,300	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
LED	60%			2032	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floor</i>								
Egress Lighting Emergency, Service No Component	50%			2027	\$1,600	1		
	50%							
Exterior Lighting HID	100%			2027	\$23,900	10		
<b>Alarm</b>								
Security System No Component Generic	80%			2027	\$3,800	1	\$500	
	20%							
Fire/Smoke Detection No Component Generic, Analog	80%			2022	\$13,100	1-3	\$800	
	20%							
<i>Devices Missing, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 274**  
**Asset # : 13160**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
Energy Source	Natural Gas	100%			2047	**	1	
Conversion Equipment	Steam Boiler	100%			2040	**	1	\$6,100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution	Central Plant Steam Piping/Pmp	100%			2037	**	4	\$500
Terminal Devices	Convactor/Radiator	100%			2032	**	1	\$2,000
<b>Air Conditioning</b>								
Energy Source	Electricity	100%			2035	**	1	
Conversion Equipment	Window/Wall Unit	40%			2022		1	\$4,900
	No Component	60%						
<b>Ventilation</b>								
Exhaust Fans	Wall Unit	20%	Now	\$400	2037	**	2	
<i>Malfunctioning, Extent : Severe, Area Affected : 20%</i>								
<i>Location : The Louver Is Inoperable - Apparatus Floor</i>								
	No Component	80%						
<b>Plumbing</b>								
H/C Water Piping	Brass/Copper	100%			2037	**	1	
Water Heater	Gas Fired	100%			2025		2	\$3,600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : (2) 75 Gallon Units</i>								
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Non-Submersible	100%			2027		4	\$900
Fixtures	Generic	100%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 31-Mar-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 10208 **Lot** : 45 **BIN** : 4217371

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$47,200	\$117,900
Electrical		\$89,200
<b>Total</b>	<b>\$47,200</b>	<b>\$207,100</b>
Importance Code A	\$47,200	\$117,900
Importance Code B		\$89,200
<b>Total</b>	<b>\$47,200</b>	<b>\$207,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$25,800		\$600	
Interior Architecture	\$30,700			\$500
Electrical	\$2,100	\$100	\$6,800	
Mechanical	\$21,600	\$600	\$500	\$800
<b>Total</b>	<b>\$80,300</b>	<b>\$600</b>	<b>\$7,900</b>	<b>\$1,200</b>
Importance Code A	\$26,100	\$300	\$900	\$300
Importance Code B	\$42,100	\$300	\$7,000	\$900
Importance Code C	\$12,000			
<b>Total</b>	<b>\$80,300</b>	<b>\$600</b>	<b>\$7,900</b>	<b>\$1,200</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**  
**ENGINE CO. 275/LADDER CO. 133**  
**Asset # : 13161**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	95%	4+	\$25,300	LIFE	**	5	\$16,400	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Multiple Relieving Angles</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Missing Mortar At Relieving Angles At Several Locations</i>								
Wood Overhead Doors	5%	Now	\$600	2025	\$27,900	5	\$2,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Door</i>								
<i>Explanation : Occasionally Malfunctions And Fails To Open</i>								
Windows								
Aluminum	100%			2052	**	5	\$400	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$1,700	
Metal Panel	10%			2047	**	5	\$700	
Roof								
Built-Up (BUR)	100%	Now	\$47,200	2027	\$117,900			1
<i>Alligatoring, Extent : Severe, Area Affected : 65%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Base Flashing At Stair/ Hose Tower</i>								
<i>Ponding, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Various Locations And Bulkhead Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Hose Tower Roof</i>								
Interior								
Floors								
Cast in Place Concrete	30%	Now	\$11,600	LIFE	**	5	\$6,000	
<i>Spalling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Main Apparatus Floor</i>								
Ceramic Tile	15%			2030	**	5	\$1,400	
Granite Panels	15%			LIFE	**	5	\$1,000	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	40%			2035	**	3	\$1,800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 80%</i>								
<i>Location : Throughout</i>								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 275/LADDER CO. 133**  
**Asset # : 13161**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	10%	4+	\$7,500	LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Multiple Locations In The Cellar</i>								
Ceramic Tile	10%			2030	**	5	\$600	
Gypsum Board	10%			LIFE	**	5	\$300	
Plaster	45%	Now	\$4,300	LIFE	**	5	\$800	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations On The 2nd Floor And Stair Tower</i>								
<i>Spalling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Hose/ Stair Tower And Basement Stairs</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Hose/ Stair Tower And Basement</i>								
SGFT/Glazed Masonry	20%			LIFE	**			
Wood	5%			LIFE	**	5	\$1,200	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2044	**	5	\$900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	10%	Now	\$6,000	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Stair Tower</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stair Tower</i>								
Plaster	80%			LIFE	**	5	\$4,500	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2027	\$4,900	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Ampere Service Disconnect Switch</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2027	\$49,900	5	\$200	
<b>Raceway</b>								
Conduit	90%			2037	**	1		
Conduit	10%			2047	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2026	\$39,400	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. 275/LADDER CO. 133**

**Asset # : 13161**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Wiring								
Braided Cloth	50%			2026	\$14,200	1		
Thermoplastic	50%			2047	**	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,700	5		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	70%			2035	**	10	\$4,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : First And Second Floor</i>								
Fluorescent	20%			2022	\$3,500	10	\$1,200	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage Area</i>								
Incandescent	5%	0-2	\$2,100	2037	**	2		
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room, 1st Floor Kitchen, Bulkhead And Pole Area</i>								
Incandescent	5%			2022	\$2,100	2		
Exterior Lighting								
HID	100%			2027	\$24,300	10		
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Pole Area - 1st And 2nd Floors</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Operated Via Timer</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Electricity	5%			2047	**	1		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor T. V. Room</i>								
<i>Explanation : Hard Wired Electric Heater Serving T. V. Room</i>								
Natural Gas	95%			2047	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2032	**	1	\$3,100	
Distribution								
Hot Wtr Piping/Pump	100%			2035	**	4	\$300	

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

Estimates are rounded to the nearest hundred dollars.

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 275/LADDER CO. 133**  
**Asset # : 13161**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	80%			2040	**	1	\$1,600	
Unit Heater - Steam	20%	2-4	\$2,200	2037	**	4	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Undersized</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Split Unit	10%			2027			\$12,900	
Window/Wall Unit	90%			2020		1	\$11,300	
Ventilation								
Exhaust Fans								
Interior	20%	Now	\$1,700	2027		2	\$4,300	
<i>Broken, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Bathroom</i>								
Roof	80%			2027		2	\$200	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2040	**	1		
Water Heater								
Gas Fired	100%			2025		2	\$3,700	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 50 Gallons. Nameplate Incorrectly Reads 75 Gallons.</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	55%			LIFE	**	1		
Cast Iron	45%	Now	\$5,700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Floor Drains, Apparatus Floor</i>								
<i>Damaged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Floor Drains, Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Pipe Size Is Too Small To Allow Proper Drainage</i>								
Sump Pump(s)								
Submersible	100%			2020		4	\$200	\$200
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Explanation : Simplex Pump</i>								
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. 275/LADDER CO. 133**  
**Asset # : 13161**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression								
Chemical System								
	Wet	10%			2026	\$2,700	1-3	\$500
	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 276  
**Address** : 1635 EAST 14th STREET  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.276 / 13162 **Yr Built/Renovated** : 1910 /  
**Area Sq Ft** : 13,000 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 20-Jul-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,3  
**Block** : 6777 **Lot** : 64 **BIN** : 3182420

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$253,400	
Interior Architecture	\$239,200	
Electrical	\$9,000	\$112,300
Mechanical		\$49,900
<b>Total</b>	<b>\$501,600</b>	<b>\$162,200</b>
Importance Code A	\$253,400	
Importance Code B	\$248,200	\$162,200
<b>Total</b>	<b>\$501,600</b>	<b>\$162,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$84,100			
Interior Architecture	\$158,300			\$1,300
Electrical	\$3,500	\$1,100	\$4,300	\$1,000
Mechanical	\$6,400	\$2,200	\$32,300	\$1,900
<b>Total</b>	<b>\$252,200</b>	<b>\$3,300</b>	<b>\$36,500</b>	<b>\$4,200</b>
Importance Code A	\$85,400	\$1,300	\$1,500	\$1,300
Importance Code B	\$90,300	\$2,000	\$35,100	\$2,900
Importance Code C	\$76,600			
<b>Total</b>	<b>\$252,200</b>	<b>\$3,300</b>	<b>\$36,500</b>	<b>\$4,200</b>



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. 276**  
**Asset # : 13162**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Exterior								
Exterior Walls								
	Masonry: Brick	77%	Now	\$5,100	LIFE	**	5	\$8,200
		<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Street Facade At Door</i>						
		<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
		<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
	Masonry: Granite	3%	Now	\$15,500	LIFE	**	5	\$200
		<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
		<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Throughout</i>						
		<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
	Masonry: Limestone	3%	Now	\$14,300	LIFE	**	5	\$200
		<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
		<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
		<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
	Metal Sect. OHD	10%			2040	**	5	\$3,300
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Main Entrance</i>						
		<i>Explanation : Recent Replace Evident</i>						
	Wood	7%	Now	\$4,000	2040	**	5	\$1,900
		<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Front Facade</i>						
		<i>Explanation : Covered With Sheet Metal</i>						
Windows								
	Aluminum	100%	Now	\$34,800	2043	**	5	\$1,000
		<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
		<i>Hardware Missing, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						

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

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 276**  
**Asset # : 13162**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Parapets</b>								
Masonry: Brick	60%	Now	\$56,600	LIFE	**	5	\$1,000	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 66%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Main Roof</i>								
Masonry: Limestone	30%	Now	\$51,300	LIFE	**	5	\$600	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Metal Cornice	10%	Now	\$8,400	2067	**			1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<b>Roof</b>								
Asphalt Shingle	5%	Now	\$400	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Built-Up (BUR)	95%	Now	\$145,500	2037	**			
<i>Debris Present, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Gravel/Slag Surface, Extent : Moderate, Area Affected : 55%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 66%</i>								
<i>Location : Main Roof</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	40%	Now	\$33,000	LIFE	**	5	\$17,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%	Now	\$3,800	2036	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	55%	Now	\$92,900	2037	**	3	\$4,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 66%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 85%</i>								
<i>Location : Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 276**  
**Asset # : 13162**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	40%	Now	\$33,500	2036	**	5	\$3,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	5%	Now	\$3,400	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	10%	Now	\$17,800	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Plaster	45%	Now	\$21,900	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Hose Tower</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Hose Tower</i>								
<b>Ceilings</b>								
Ceramic Tile	35%	Now	\$13,500	LIFE	**	5	\$4,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	35%	Now	\$146,400	LIFE	**			
<i>Deformed/Dented, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Plaster	30%	Now	\$31,300	LIFE	**	5	\$3,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	100%			2027	\$4,900	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated At 350 Amperes. Evidence Of Water Penetration Through The Walls In The Basement</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2027	\$49,900	5	\$300	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 276**  
**Asset # : 13162**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
<b>Raceway</b>								
	Conduit	90%			2027	\$28,800	1	
	Conduit	10%			2037	**	1	
<b>Panelboards</b>								
	Fused Disc Sw	5%			2035	**	5	
	Molded Case Bkrs	90%			2026	\$35,400	5	\$300
	Molded Case Bkrs	5%			2035	**	5	
<b>Wiring</b>								
	Thermoplastic	90%			2027	\$25,500	1	
	Thermoplastic	10%			2037	**	1	
<b>Motor Controllers</b>								
	Locally Mounted	100%			2025	\$14,700	5	\$100
<b>Ground</b>								
<b>Grounding Devices</b>								
	Generic	100%			LIFE	**	5	\$200
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
	Automatic	100%			2032	**	1	\$4,000
<b>Generators</b>								
	Diesel	100%			2030	**	1	\$5,000
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Emergency Generator Rated At 80kva, Exhaust System Of The Generator Is Not Operational</i>							
<b>Batteries</b>								
	Lead/Acid	100%			2020	\$1,500	5	\$500
<b>Fuel Storage</b>								
	Day Tank	50%			2035	**	5	\$1,200
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 75 Gallons Rated Capacity</i>							
	Main Tank	50%			2030	**	5	\$200
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 275 Gallons Rated Capacity</i>							
<b>Lighting</b>								
<b>Interior Lighting</b>								
	Fluorescent	25%			2022	\$9,000	10	\$3,000
	<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
	Fluorescent	70%			2027	\$25,200	10	\$8,300
	<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
	Fluorescent	5%			2027	\$1,800	10	\$600
	<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Basement</i>							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 276**  
**Asset # : 13162**

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

**Lighting**

Egress Lighting								
Emergency, Service	100%			2027	\$6,500	1		
Exterior Lighting								
HID	10%			2027	\$5,000	10		
No Component	90%							

**Alarm**

Security System								
No Component	90%							
Generic	10%			2027	\$4,000	1	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

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

**Heating**

Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2032	**	1	\$12,900	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Chimney</i>								
<i>Explanation : Under Size Boiler</i>								

Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$1,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : There Is One Thermostat In The Building</i>								

Terminal Devices								
Convactor/Radiator	75%			2025	\$49,900	1	\$3,200	
Unit Heater - Steam	25%			2022	\$11,100	4	\$300	
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Engine Bay</i>								
<i>Explanation : Unit Heaters Serve Engine Bay</i>								

**Air Conditioning**

Energy Source								
Electricity	100%			2035	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 276**  
**Asset # : 13162**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Split Unit	10%			2027	\$26,500			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Unit. R-410a</i>								
Window/Wall Unit	50%			2022	\$12,900	1		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Roof</i>								
<i>Explanation : There Is A Roof Top Ac Unit Sitting On Roof But Never Been Installed.</i>								
Window/Wall Unit	15%	Now	\$3,900	2027	\$3,900	1		
<i>Obsolete Equipment, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Various</i>								
No Component	25%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2027	\$17,700	1	\$400	
No Component	90%							
Heat Rejection								
Evaporative Condenser	10%			2027	\$2,900	2	\$900	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$700	
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Kitchen Roof</i>								
<i>Explanation : The Generator Exhaust Duct Needs To Be Extended To Outside Of The Roof</i>								
No Component	90%							
Exhaust Fans								
Roof	10%			2032	**	2		
Roof	25%	Now	\$300	2022	\$5,200	2	\$100	
<i>Not in Service, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Roof</i>								
Wall Unit	25%			2022	\$1,100	2	\$100	
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%			2025	\$7,600	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units, 74 Gallons Each</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 276**  
**Asset # : 13162**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	Sump Pump(s)							
	Submersible	100%			2020	\$400	4	\$400
Fixtures								
	Generic	100%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 277/LADDER CO. 112  
**Address** : 582 KNICKERBOCKER AVENUE @ PALMETTO ST.  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.277 / 13163 **Yr Built/Renovated** : 2007 /  
**Area Sq Ft** : 15,756 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 17-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 3343 **Lot** : 29 **BIN** : 3076461

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$289,200	\$156,700
Interior Architecture	\$79,400	
<b>Total</b>	<b>\$368,500</b>	<b>\$156,700</b>
Importance Code A	\$289,200	\$156,700
Importance Code B	\$79,400	
<b>Total</b>	<b>\$368,500</b>	<b>\$156,700</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$21,300			\$2,400
Interior Architecture	\$22,900	\$900	\$800	
Electrical	\$2,600	\$3,100	\$4,400	\$17,100
Mechanical	\$33,000	\$2,100	\$3,400	\$2,500
<b>Total</b>	<b>\$79,800</b>	<b>\$6,200</b>	<b>\$8,700</b>	<b>\$22,000</b>
Importance Code A	\$22,100	\$800	\$800	\$3,200
Importance Code B	\$57,600	\$5,400	\$7,100	\$18,800
Importance Code C			\$800	
<b>Total</b>	<b>\$79,800</b>	<b>\$6,200</b>	<b>\$8,700</b>	<b>\$22,000</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 277/LADDER CO. 112**  
**Asset # : 13163**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	3%			LIFE	**	5	\$9,600	
Glass Block	2%			LIFE	**	5	\$800	
Metal/Glass Curt Wall	18%	Now	\$187,500	LIFE	**	5	\$21,700	
<i>Glazing Clouded, Extent : Light, Area Affected : 30%</i> <i>Location : Unable To Clean Exterior Face Glass - Areas Inaccessible</i> <i>Water Penetration, Extent : Moderate, Area Affected : 10%</i> <i>Location : 2nd Floor Bunk Room</i> <i>Other Observation, Extent : Severe, Area Affected : 15%</i> <i>Location : Street Facade (North Side) - Above Public Sidewalk</i> <i>Explanation : Purported Hazard - Condensate Ices On Metal Screens, Freezes And Free Falls To Public Sidewalk Below</i>								
Pre-Cast Concrete	75%	0-2	\$101,700	LIFE	**	5	\$156,700	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i> <i>Location : Perimeter Walls At Grade (Tiled Walls)</i>								
Window Wall	2%			2048	**	5	\$4,800	
Windows								
Aluminum	100%	Now	\$4,300	2044	**	5	\$500	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i> <i>Location : 2nd Floor Rear Windows Installed Upside Down - Rendering Units To Function Improperly</i> <i>Water Penetration, Extent : Moderate, Area Affected : 10%</i> <i>Location : Water Seeping Under Sill Pan - 2nd Floor Bunk Room</i>								
Parapets								
Pre-Cast Concrete	90%			LIFE	**	5	\$21,600	
Weathering Steel	10%			LIFE	**	1		
Roof								
Cast in Place Concrete	5%	Now	\$200	LIFE	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i> <i>Location : Rear Courtyard</i> <i>Explanation : Moisture And Ponding At Ventilation Grille Adjacent To Retention Tanks Creating Insect Breeding Grounds</i>								
Modified Bitumen	95%	0-2	\$16,900	2033	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i> <i>Location : Upper And Lower Roofs</i> <i>Debris Present, Extent : Moderate, Area Affected : 20%</i> <i>Location : Main Roof</i> <i>Reflective Surface, Extent : Light, Area Affected : 100%</i> <i>Location : Throughout</i> <i>Seams Open/Split, Extent : Moderate, Area Affected : 10%</i> <i>Location : Upper And Lower Roofs</i>								

## Interior

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 277/LADDER CO. 112**  
**Asset # : 13163**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	55%	Now	\$13,800	LIFE	**	5	\$28,400	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Apparatus Floor - At Edges Of Slab And Floor Drains Into Basement</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Entry To Kitchen (Floor Drain), Basement Pump Room And Corridor</i>								
Ceramic Tile	3%	Now	\$700	2037	**	5	\$400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 1st And 2nd Floor Bathrooms</i>								
Quarry Tile	2%	4+	\$700	2041	**	5	\$400	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen Area</i>								
Vinyl Tile	30%			2033	**	3	\$2,700	
Wood	10%	Now	\$79,400	2068	**	5	\$2,200	
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
<b>Interior Walls</b>								
Cast in Place Concrete	25%			LIFE	**			
Ceramic Tile	5%			2037	**	5	\$1,700	
Concrete Masonry Unit	20%			LIFE	**	5	\$2,700	
Gypsum Board	50%			LIFE	**	5	\$10,200	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	55%			2045	**	5	\$13,000	
Exposed Struc: Steel	35%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Component Actually Concrete Metal Decking</i>								
Gypsum Board	10%	Now	\$1,200	LIFE	**	5	\$2,900	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : First Floor Near Kitchen</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2041	**			

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

Under 600 Volts

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 277/LADDER CO. 112**  
**Asset # : 13163**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
	Fused Disc Sw	70%			2048	**	5	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room Basement</i>								
<i>Explanation : One 800 Amperes Main Disconnect Switch For The Entire Building.</i>								
	Fused Disc Sw	30%			2048	**	5	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room Basement</i>								
<i>Explanation : One 400 Amperes Main Disconnect Switch For The HVAC</i>								
<b>Switchgear / Switchboard</b>								
	Fused Disc Sw	100%			2048	**	5	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room Basement</i>								
<i>Explanation : Six 100 Apms Each Mdp</i>								
<b>Raceway</b>								
	Conduit	100%			2048	**	1	
<b>Panelboards</b>								
	Fused Disc Sw	5%			2044	**	5	
	Molded Case Bkrs	95%			2044	**	5	\$400
<b>Wiring</b>								
	Thermoplastic	100%			2048	**	1	
<b>Motor Controllers</b>								
	Locally Mounted	100%			2041	**	5	\$100
<b>Ground</b>								
<b>Grounding Devices</b>								
	Generic	100%			LIFE	**	5	\$200
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
	Automatic	100%			2041	**	1	\$4,900
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room Basement</i>								
<i>Explanation : Three Automatic Transfer Switches</i>								
<b>Generators</b>								
	Diesel	100%			2037	**	1	\$6,100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room Basement</i>								
<i>Explanation : One 80 Kw Onan Cummins Genset</i>								
<b>Batteries</b>								
	Lead/Acid	100%			2022	\$1,500	5	\$600
<b>Fuel Storage</b>								
	Main Tank	100%			2056	**	5	\$500
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : One 275 Gallons</i>								
<b>Lighting</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**  
**ENGINE CO. 277/LADDER CO. 112**  
**Asset # : 13163**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	100%			2033	**	10	\$14,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
<hr/>								
Egress Lighting								
Emergency, Service	60%			2033	**	1		
Exit, Service	40%			2033	**	1		
<hr/>								
Exterior Lighting								
HID	70%			2033	**	10		
Incandescent	30%			2033	**	2		
<hr/>								
<b>Alarm</b>								
Security System Generic	100%			2036	**	1	\$5,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside Only</i>								
<i>Explanation : Three CCTV Surveillance Camera</i>								
<hr/>								
Fire/Smoke Detection Generic, Digital	100%			2033	**	1-3	\$9,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Pull Box, Strobe Lights, Bell, Horn, Smoke Detector And Fire Panelboard.</i>								
<hr/>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2048	**	1		
<hr/>								
Conversion Equipment Hot Water Boiler	100%			2041	**	1	\$7,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : 2 Units</i>								
<hr/>								
Distribution Hot Wtr Piping/Pump	100%			2044	**	4	\$1,200	
<i>Other Observation, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Explanation : There Is No Temperature Control, Except Apparatus Floor.</i>								
<hr/>								
Terminal Devices								
Air Handler	30%			2033	**	1	\$2,900	
Convactor/Radiator	40%			2041	**	1	\$2,000	
Fan Coil Unit/Heat	30%			2033	**	1	\$1,500	
<hr/>								
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2044	**	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. 277/LADDER CO. 112**  
**Asset # : 13163**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	55%	0-2	\$10,400	2033	**	2	\$400	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 55%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 80%</i>								
<i>Location : Roof</i>								
<i>Explanation : 4 Units. Inefficient Units.</i>								
Split Unit	10%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : House Watch And 2nd Floor</i>								
<i>Explanation : 2 Units. R-410a</i>								
Window/Wall Unit	10%			2026	\$3,100	1		
No Component	25%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2033	**	1	\$500	
No Component	90%							
Heat Rejection								
Evaporative Condenser	10%			2033	**	2	\$1,100	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	\$6,900	LIFE	**	2-5	\$8,800	
<i>Corroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Boiler Room. Due To Water Leaks From Apparatus Floor.</i>								
Exhaust Fans								
Roof	100%	Now	\$1,300	2033	**	2	\$400	
<i>Not Energy Efficient, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen Exhaust System</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	**	1		
Water Heater								
Gas Fired	100%			2026	\$9,200	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$11,000	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Male Restroom And Basement Water Meter Room.</i>								
<i>Leak Evident, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Leaking From 1st Floor To Basement Boiler Room</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Drain System Defected Causes Water Backing Up In Basement Frequently.</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. 277/LADDER CO. 112**  
**Asset # : 13163**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%	Now	\$700	2033	**	4	\$300
			<i>Corroded, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Housing Of The Sump Pump, Basement Boiler Room</i>					
			<i>Malfunctioning, Extent : Severe, Area Affected : 50%</i>					
			<i>Location : Boiler Room</i>					
	Backflow Preventer							
	Generic	100%			2033	**	1	\$1,000
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Sprinkler							
	No Component	80%						
	Generic	20%			2048	**	1-2	\$900
	Chemical System							
	Generic	100%			2026	\$26,700	1-3	\$4,000

*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.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 279/LADDER CO. 131  
**Address** : 252 LORRAINE STREET  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.279 / 13165 **Yr Built/Renovated** : 1912 / 2011  
**Area Sq Ft** : 10,548 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 28-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2,3  
**Block** : 486 **Lot** : 18 **BIN** : 3008207

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Interior Architecture	\$66,300	
Electrical		\$81,400
Mechanical		\$235,900
<b>Total</b>	<b>\$66,300</b>	<b>\$317,300</b>
Importance Code A		\$65,300
Importance Code B		\$252,000
Importance Code C	\$66,300	
<b>Total</b>	<b>\$66,300</b>	<b>\$317,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$16,900			\$300
Interior Architecture	\$53,600	\$700		\$1,200
Electrical	\$9,700	\$100	\$10,300	
Mechanical	\$2,100	\$1,800	\$44,600	\$2,000
<b>Total</b>	<b>\$82,400</b>	<b>\$2,500</b>	<b>\$54,900</b>	<b>\$3,500</b>
Importance Code A	\$17,900	\$1,000	\$1,100	\$1,400
Importance Code B	\$55,100	\$1,200	\$53,800	\$2,200
Importance Code C	\$9,400	\$300		
<b>Total</b>	<b>\$82,400</b>	<b>\$2,500</b>	<b>\$54,900</b>	<b>\$3,500</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**  
**ENGINE CO. 279/LADDER CO. 131**  
**Asset # : 13165**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$22,500	
Masonry: Granite	5%			LIFE	**	5	\$1,200	
Masonry: Limestone	10%			LIFE	**	5	\$2,400	
Stucco Cement	5%			2040	**	5	\$4,000	
Wood Overhead Doors	10%			2040	**	5	\$16,100	
Windows								
Aluminum	100%			2043	**	5	\$700	
Parapets								
Cast Stone/Terra Cotta	30%			LIFE	**	5	\$2,700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Coping Stones</i>								
Masonry: Brick	70%			LIFE	**	5	\$800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Parapet Walls</i>								
Roof								
Modified Bitumen	100%	0-2	\$6,800	2032	**			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$10,400	
Ceramic Tile	5%			2036	**	5	\$800	
Quarry Tile	5%			2040	**	5	\$1,200	
Vinyl Tile	60%			2032	**	3	\$4,700	
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$500	
Masonry: Brick	40%	Now	\$66,300	LIFE	**			
<i>Spalling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Bearing Wall At Rear Beam</i>								
Plaster	55%	Now	\$9,400	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 3rd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 279/LADDER CO. 131**  
**Asset # : 13165**

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

## Interior

## Ceilings

AcousTileSusp.Lay-In	5%			2040	**	5	\$800	
Exposed Concrete	20%	Now	\$10,400	LIFE	**	5	\$500	

*Cracking/Crumbling, Extent : Severe, Area Affected : 20%*

*Location : Rear Wall Beam*

*Exposed Reinforcement, Extent : Severe, Area Affected : 20%*

*Location : Rear Wall Beam*

Plaster	75%	Now	\$31,700	LIFE	**	5	\$7,400	
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 20%*

*Location : 3rd Floor*

*Water Penetration, Extent : Moderate, Area Affected : 20%*

*Location : 3rd Floor*

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

## Under 600 Volts

## Service Equipment

Fused Disc Sw	50%			2037	**	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Basement*

*Explanation : Main Service Disconnect Switch Rated At 200 Amperes*

Molded Case Bkrs	50%			2027	\$2,500	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Basement*

*Explanation : Main Service Disconnect Switch Rated At 250 Amperes*

## Switchgear / Switchboard

Molded Case Bkrs	100%			2027	\$49,900	5	\$300	
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## Raceway

Conduit	80%			2027	\$25,600	1		
Conduit	20%			2037	**	1		

## Panelboards

Molded Case Bkrs	80%			2026	\$31,500	5	\$200	
Molded Case Bkrs	20%			2035	**	5	\$100	

## Wiring

Thermoplastic	20%			2037	**	1		
Thermoplastic	80%			2027	\$22,700	1		

## Ground

## Grounding Devices

Generic	100%	0-2	\$9,700	LIFE	**	5	\$200	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Basement Near Water Service*

*Explanation : Main Electric Service Ground, Corroded.*

## Lighting

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 279/LADDER CO. 131**  
**Asset # : 13165**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	95%			2027	\$27,700	10	\$9,200	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	5%			2022	\$1,500	10	\$500	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor And Hallways</i>								
Egress Lighting Exit, Service	100%			2027	\$1,200	1		
Exterior Lighting HID	20%			2022	\$8,100	10		
No Component	80%							
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source Natural Gas	100%			2037	**	1		
Conversion Equipment Steam Boiler	100%			2025	\$65,300	1	\$10,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 4 Units Piped Together</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2027	\$170,600	4	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : There Is Only 1 Thermostat In The Building</i>								
Terminal Devices Convactor/Radiator	80%			2032	**	1	\$2,700	
Unit Heater - Steam	20%			2022	\$7,200	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Engine Bays</i>								
<i>Explanation : Unit Heaters Serve Truck Bays</i>								
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2035	**	1		

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 279/LADDER CO. 131**  
**Asset # : 13165**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
Conversion Equipment								
	Exterior Pkg Unit - Cooling	40%			2035	**	2	\$300
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Unit. Uses R410 A</i>								
	Window/Wall Unit	10%			2022	\$2,100	1	
	No Component	50%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,900
	No Component	50%						
Exhaust Fans								
	Roof	50%			2035	**	2	\$200
	Wall Unit	15%			2027	\$500	2	\$100
	No Component	35%						
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%			2037	**	1	
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Water Heater								
	Gas Fired	100%			2022	\$6,100	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit 75 Gallons</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2020	\$300	4	\$300
Backflow Preventer								
	Generic	100%			2032	**	1	\$700
Fixtures								
	Generic	100%						
<b>Fire Suppression</b>								
Chemical System								
	Generic	100%			2022	\$26,700	1-3	\$3,700

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 28/LADDER CO. 11  
**Address** : 222 EAST 2nd STREET  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.028 / 13020 **Yr Built/Renovated** : 1959 / 2010  
**Area Sq Ft** : 6,532 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 26-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 385 **Lot** : 58 **BIN** : 1004608

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$174,900	\$129,100
Interior Architecture	\$53,300	
Electrical		\$39,000
<b>Total</b>	<b>\$228,200</b>	<b>\$168,000</b>
Importance Code A	\$174,900	\$129,100
Importance Code B	\$53,300	\$39,000
<b>Total</b>	<b>\$228,200</b>	<b>\$168,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$29,000			
Interior Architecture	\$69,400		\$300	\$200
Electrical	\$5,100			\$100
Mechanical	\$7,500	\$800	\$600	\$600
Site Pavements	\$600			
<b>Total</b>	<b>\$111,500</b>	<b>\$800</b>	<b>\$1,000</b>	<b>\$900</b>
Importance Code A	\$34,200	\$300	\$300	\$300
Importance Code B	\$55,300	\$500	\$600	\$600
Importance Code C	\$22,000			
<b>Total</b>	<b>\$111,500</b>	<b>\$800</b>	<b>\$1,000</b>	<b>\$900</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**  
**ENGINE CO. 28/LADDER CO. 11**  
**Asset # : 13020**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%	Now	\$174,900	LIFE	**	5	\$18,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	10%			2034	**	5	\$10,500	
Windows								
Aluminum	100%	Now	\$27,000	2045	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Metal Panel	90%			2049	**	5	\$8,600	
Metal Rail	10%	Now	\$2,000	2042	**	5	\$1,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Main Entrance Facade</i>								
<i>Deformed/Dented, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Main Entrance Facade</i>								
Roof								
Modified Bitumen	100%			2029		10	\$9,300	
Interior								
Floors								
Cast in Place Concrete	65%	2-4	\$20,400	LIFE	**	5	\$14,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Ceramic Tile	4%			2042	**	5	\$400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout 2010</i>								
Ceramic Tile	1%	Now	\$600	2032	**	5		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	10%			2037	**	3	\$400	
Vinyl Tile 9" X 9"	20%	2-4	\$22,100	2039	**	3	\$700	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 28/LADDER CO. 11**  
**Asset # : 13020**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	30%			LIFE	**	10	\$10,700	
Ceramic Tile	5%			2044	**	5	\$700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout 2010</i>								
Gypsum Board	5%			LIFE	**	5-10	\$1,200	
Plaster	35%	Now	\$8,100	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location :</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement, Staircase And Hose Tower</i>								
SGFT/Glazed Masonry	25%			LIFE	**	10	\$1,800	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2034	**	5	\$1,000	
Exposed Concrete	55%	0-2	\$53,300	LIFE	**	5	\$800	
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Gypsum Board	5%			LIFE	**	5-10	\$1,700	
Plaster	30%	0-2	\$4,000	LIFE	**	5	\$1,800	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2039	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%	2-4	\$600	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2042	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%	0-2	\$4,900	2059	**	5		
<i>Obsolete Equipment, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Ampere Service</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 28/LADDER CO. 11**  
**Asset # : 13020**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Raceway								
Conduit	100%			2029	\$32,000	1		
Panelboards								
Molded Case Bkrs	99%			2028	\$39,000	5	\$200	
Molded Case Bkrs	1%			2045	**	5		
Wiring								
Braided Cloth	90%			2028	\$25,500	1		
Thermoplastic	10%			2039	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	80%			2034	**	10	\$4,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 80%</i>								
<i>Location : Second Floor And Basement</i>								
Incandescent	1%			2034	**	2		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Lounge</i>								
<i>Explanation : Halogen Fixtures</i>								
LED	19%			2034	**			
<i>Other Observation, Extent : Light, Area Affected : 19%</i>								
<i>Location : First Floor</i>								
<i>Explanation : LED Fixtures</i>								
Exterior Lighting								
HID	100%			2024	\$25,200	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2042	**	1	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2045	**	4	\$500	
Terminal Devices								
Convactor/Radiator	100%			2027	\$33,400	1	\$2,100	
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 28/LADDER CO. 11**  
**Asset # : 13020**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	50%	0-2	\$6,500	2029	\$6,500	1		
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : On Extended Life And Worn Out</i>								
No Component								
	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement</i>								
<i>Explanation : Gymnasium Has No Air Conditioning</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,200	
No Component	80%							
Exhaust Fans								
Roof	20%			2034	**	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	100%			2027	\$3,800	2	\$100	
<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%			2029	\$1,000	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Fire Pump								
No Component	98%							
Generic	2%			2032	**	1		

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 280/LADDER CO. 132  
**Address** : 489 ST. JOHN'S PLACE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.280 / 13166 **Yr Built/Renovated** : 1912 / 2008  
**Area Sq Ft** : 5,775 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 21-Mar-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 1174 **Lot** : 51 **BIN** : 3029451

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$46,800	
Interior Architecture	\$119,100	
<b>Total</b>	<b>\$165,900</b>	
Importance Code A	\$46,800	
Importance Code B	\$119,100	
<b>Total</b>	<b>\$165,900</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$25,400	\$300		
Interior Architecture	\$41,400		\$400	\$800
Electrical	\$10,300	\$400	\$400	\$400
Mechanical	\$6,900	\$1,000	\$27,800	\$1,400
Site Pavements	\$2,300			
<b>Total</b>	<b>\$86,300</b>	<b>\$1,700</b>	<b>\$28,600</b>	<b>\$2,500</b>
Importance Code A	\$26,000	\$800	\$600	\$600
Importance Code B	\$58,200	\$900	\$28,000	\$2,000
Importance Code C	\$2,100			
<b>Total</b>	<b>\$86,300</b>	<b>\$1,700</b>	<b>\$28,600</b>	<b>\$2,500</b>



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 280/LADDER CO. 132**  
**Asset # : 13166**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Exterior Walls									
Concrete Masonry Unit	5%			LIFE	**	5	\$1,300		
Masonry: Brick	75%	Now	\$46,800	LIFE	**	5	\$15,200		
<i>Painted Surfaces, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : East Facade</i>									
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : East Facade</i>									
Masonry: Granite	2%			LIFE	**	5	\$600		
Masonry: Limestone	10%			LIFE	**	5	\$3,000		
Metal Sect. OHD	8%			2034	**	5	\$5,100		
Windows									
Aluminum	100%			2051	**	5	\$500		
Parapets									
Masonry: Brick	80%			LIFE	**	5-10	\$4,100		
Metal: Cage/Fence	10%			2034	**	5-10	\$600		
Pre-Cast Concrete	10%			LIFE	**	5	\$900		
Roof									
Modified Bitumen	100%	Now	\$19,000	2034	**				
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : East Side</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Engine Office, Exercise Room, Locker Room, At Window Heads</i>									
Interior									
Floors									
Cast in Place Concrete	25%	4+	\$2,700	LIFE	**	5	\$5,600		
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Cellar</i>									
Cast in Place Concrete	25%	Now	\$27,100	LIFE	**	5	\$5,600		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>									
<i>Location : 1st Floor Truck Area</i>									
<i>Horizontal Cracks, Extent : Severe, Area Affected : 30%</i>									
<i>Location : 1st Floor</i>									
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>									
<i>Location : 1st Floor</i>									
<i>Explanation : 1st Floor Has Structural Cracks And Is Being Supported By Several Adjustable Jack Post</i>									
Ceramic Tile	5%			2038	**	5	\$500		
Quarry Tile	5%			2042	**	5	\$800		
Vinyl Tile	40%	Now	\$35,400	2039	**	3	\$1,500		
<i>Adhesion Failure, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Second Floor</i>									
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Second Floor</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Second Floor</i>									

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 280/LADDER CO. 132**  
**Asset # : 13166**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Masonry: Brick	45%			LIFE	**	10	\$400	
Plaster	50%	Now	\$1,200	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Dormitory, Laundry, And At Window Heads</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Officer, Bathroom</i>								
Wood	5%			LIFE	**	5	\$1,100	
Ceilings								
AcousTileSusp.Lay-In	5%			2034	**	5	\$500	
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Engine Office</i>								
Exposed Concrete	25%	Now	\$83,700	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1st Floor/ Basement Ceiling Is Failing - Large Structural Cracks. Ceiling Is Now Being Supported By Temp Jack Post</i>								
Plaster	70%	Now	\$9,600	LIFE	**	5	\$4,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$2,300	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : St. Johns Place</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2049	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated At 600 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2049	**	5	\$200	
Raceway								
Conduit	50%			2039	**	1		
Conduit	50%			2049	**	1		
Panelboards								
Molded Case Bkrs	100%			2045	**	5	\$200	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 280/LADDER CO. 132**

**Asset # : 13166**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Under 600 Volts								
Wiring								
Thermoplastic	100%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2042	**	5		
Ground								
Grounding Devices								
Generic	100%	2-4	\$9,700	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	**	1	\$1,800	
Generators								
Natural Gas	100%			2042	**	1	\$2,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated At 70 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2024	\$1,500	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	30%			2029	\$4,800	10	\$1,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor And 3rd Floor</i>								
LED	70%			2037	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, 1st Floor And 2nd Floor</i>								
<i>Explanation : LED Fixtures</i>								
Egress Lighting								
Emergency, Service	40%			2029	\$1,200	1		
Emergency, Battery	10%			2029	\$800	10	\$100	
Exit, Service	50%			2029	\$300	1		
Exterior Lighting								
HID	30%			2029	\$6,700	10		
No Component	70%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 280/LADDER CO. 132**

**Asset # : 13166**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
	Conversion Equipment Steam Boiler	100%			2042	**	1	\$5,700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 Unit</i>					
<hr/>								
	Distribution Steam Piping/Pump	100%	Now	\$500	2039	**		
			<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Basement</i>					
<hr/>								
	Terminal Devices Convactor/Radiator	100%			2034	**	1	\$1,900
<hr/>								
<b>Air Conditioning</b>								
	Energy Source Electricity	100%			2037	**	1	
<hr/>								
	Conversion Equipment Window/Wall Unit	50%			2024	\$5,800	1	
	No Component	50%						
<hr/>								
<b>Ventilation</b>								
	Distribution Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,000
	No Component	80%						
<hr/>								
	Exhaust Fans Roof	20%			2024	\$1,800	2	
	No Component	80%						
<hr/>								
<b>Plumbing</b>								
	H/C Water Piping Brass/Copper	100%			2039	**	1	
<hr/>								
	Water Heater Gas Fired	100%			2024	\$3,400	2	\$100
<hr/>								
	Sanitary Piping Cast Iron	100%	Now	\$4,000	LIFE	**	1	
			<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : Basement</i>					
			<i>Corroded, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Basement</i>					
			<i>Other Observation, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Water Backs Up, It Is Causing Flooding In Basement.</i>					
<hr/>								
	Storm Drain Piping Cast Iron	100%	0-2	\$600	LIFE	**	1	
			<i>Corroded, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Basement</i>					
<hr/>								
	Backflow Preventer Not Accessible	100%						

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

Estimates are rounded to the nearest hundred dollars.

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Plumbing Fixtures Generic	100%							
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Various Locations</i>								
Fire Suppression Chemical System Generic	100%			2022	\$26,700	1-3	\$4,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 29-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 5155 **Lot** : 4 **BIN** : 3118638

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$181,400	\$152,700
Interior Architecture		\$59,100
Electrical		\$68,800
Mechanical		\$215,200
<b>Total</b>	<b>\$181,400</b>	<b>\$495,700</b>
Importance Code A	\$181,400	\$152,700
Importance Code B		\$343,000
<b>Total</b>	<b>\$181,400</b>	<b>\$495,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$46,600		\$4,900	
Interior Architecture	\$74,000		\$1,900	\$900
Electrical	\$29,600	\$100	\$300	
Mechanical	\$46,700	\$1,300	\$20,900	\$1,300
<b>Total</b>	<b>\$196,900</b>	<b>\$1,400</b>	<b>\$27,900</b>	<b>\$2,200</b>
Importance Code A	\$47,600	\$1,000	\$6,000	\$1,000
Importance Code B	\$110,000	\$400	\$21,900	\$1,200
Importance Code C	\$39,300			
<b>Total</b>	<b>\$196,900</b>	<b>\$1,400</b>	<b>\$27,900</b>	<b>\$2,200</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**  
**ENGINE CO. 281/LADDER CO. 147**  
**Asset # : 13167**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$90,700	LIFE	**	5	\$29,500	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade At Grade</i>								
Masonry: Granite	3%			LIFE	**	5	\$900	
Masonry: Limestone	15%			LIFE	**	5	\$4,400	
Slate Panels	2%	2-4	\$8,400	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Window Sills</i>								
Wood Overhead Doors	5%			2032	**	5	\$9,800	
Windows								
Aluminum	100%	Now	\$90,600	2052	**	5	\$1,100	
<i>Unit Inoperable, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Second Floor Bathroom</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Windows Are Old, Single-glazed And Deteriorated. They Should Be Replaced</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$1,500	
Masonry: Brick	80%	0-2	\$17,800	LIFE	**	5	\$3,000	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Street Facade @ Entrance</i>								
Masonry: Sandstone	15%	Now	\$5,100	LIFE	**	5	\$700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping Stones</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Coping</i>								
<i>Explanation : Actually Bluestone</i>								
Roof								
Modified Bitumen	100%	Now	\$15,300	2027	\$152,700			
<i>Blisters, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roof</i>								
<i>Miss/Damaged Flashings, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roof</i>								
<i>Ridging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Upper And Lower Roofs</i>								
Interior								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 281/LADDER CO. 147**

**Asset # : 13167**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	40%	Now	\$12,800	LIFE	**	5	\$13,200	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Back Up From Storm Drain</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Gymnasium Floor</i>								
Ceramic Tile	15%	Now	\$2,200	2030	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	45%	0-2	\$11,800	2027	\$59,100	3	\$2,600	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second And Third Floors</i>								
<b>Interior Walls</b>								
Ceramic Tile	10%			2030	**	5	\$2,400	
Masonry: Brick	35%	Now	\$32,800	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Rear And Front Basement Walls</i>								
Plaster	55%	4+	\$5,300	LIFE	**	5	\$3,900	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Roof Hatch</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	25%			2032	**	5	\$3,800	
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	5%	Now	\$7,800	LIFE	**	5	\$900	
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
Plaster	45%			LIFE	**	5	\$4,300	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	100%			2027	\$4,900	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Enclosure Corroded, Missing Cover. Main Service Switch Rated At 350 Amperes.</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2027	\$49,900	5	\$300	
<b>Raceway</b>								
Conduit	100%			2027	\$32,000	1		
<b>Panelboards</b>								
Fused Disc Sw	2%			2026	\$800	5		
Molded Case Bkrs	48%			2026	\$18,900	5	\$100	
Molded Case Bkrs	50%			2035	**	5	\$100	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 281/LADDER CO. 147**  
**Asset # : 13167**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Under 600 Volts								
Wiring								
Braided Cloth	70%	Now	\$19,800	2052	**	1		
<i>Insulation Aged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	30%			2027	\$8,500	1		
Ground								
Grounding Devices								
Generic	100%	0-2	\$9,700	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Lighting								
Interior Lighting								
LED	100%			2035	**			
Exterior Lighting								
HID	20%			2027	\$7,800	10		
No Component	80%							
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2032	**	1	\$10,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%	Now	\$8,200	2027	\$163,500	4	\$500	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Terminal Devices								
Convactor/Radiator	100%			2025	\$51,700	1	\$3,300	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Window/Wall Unit	60%	Now	\$1,200	2022	\$12,100	1		
<i>Not in Service, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various</i>								
No Component	40%							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 281/LADDER CO. 147**  
**Asset # : 13167**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	60%			LIFE	**	2-5	\$3,400
	No Component	40%						
<b>Exhaust Fans</b>								
	Roof	50%			2032	**	2	\$200
	Wall Unit	20%			2022	\$700	2	\$100
	No Component	30%						
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%	Now	\$14,400	2037	**	1	
	<i>Corroded, Extent : Severe, Area Affected : 30%</i>							
	<i>Location : Basement</i>							
<b>Water Heater</b>								
	Gas Fired	100%			2022	\$5,900	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 - 75 Gallon Units</i>							
<b>Sanitary Piping</b>								
	Cast Iron	100%	Now	\$21,200	LIFE	**	1	
	<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : Basement</i>							
	<i>Corroded, Extent : Severe, Area Affected : 20%</i>							
	<i>Location : Basement</i>							
	<i>Other Observation, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Water Pit Fill Up With Soil Completely. Flooding In Basement. Sewage Issue Needs To Be Take Care Urgently!</i>							
<b>Storm Drain Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Sump Pump(s)</b>								
	Submersible	100%	Now	\$300	2022	\$300	4	\$200
	<i>Malfunctioning, Extent : Severe, Area Affected : 30%</i>							
	<i>Location : Basement</i>							
<b>Fixtures</b>								
	Generic	100%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 12-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 5597 **Lot** : 44 **BIN** : 3135859

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$103,700	
Electrical		\$28,600
<b>Total</b>	<b>\$103,700</b>	<b>\$28,600</b>
Importance Code A	\$103,700	
Importance Code B		\$28,600
<b>Total</b>	<b>\$103,700</b>	<b>\$28,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$16,300			\$1,800
Interior Architecture	\$33,300			\$700
Electrical		\$3,300	\$100	
Mechanical	\$24,300	\$1,900	\$7,800	\$1,700
<b>Total</b>	<b>\$73,900</b>	<b>\$5,100</b>	<b>\$7,900</b>	<b>\$4,200</b>
Importance Code A	\$17,000	\$700	\$700	\$2,500
Importance Code B	\$47,000	\$4,400	\$7,200	\$1,700
Importance Code C	\$9,900			
<b>Total</b>	<b>\$73,900</b>	<b>\$5,100</b>	<b>\$7,900</b>	<b>\$4,200</b>



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. 282/LADDER CO. 148**  
**Asset # : 13168**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$55,900	LIFE	**	5	\$18,200	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Parapet Level, Side Facades</i>								
Masonry: Granite	5%	4+	\$2,700	LIFE	**	5	\$900	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade.</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,700	
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Facade.</i>								
Metal Sect. OHD	5%			2043	**	5	\$3,500	
Windows								
Aluminum	100%	4+	\$2,600	2048	**	5	\$1,500	
<i>Hardware Missing, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Latches Loose Or Broken</i>								
Parapets								
Masonry: Brick	85%	Now	\$6,700	LIFE	**	5	\$2,300	
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Throughout.</i>								
Masonry: Limestone	15%	Now	\$4,300	LIFE	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Coping Stones Located Over Cornice At Front Facade</i>								
Roof								
Modified Bitumen	100%	4+	\$47,800	2031	**			
<i>Alligatoring, Extent : Light, Area Affected : 10%</i>								
<i>Location : All Seams.</i>								
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Roof.</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Roof</i>								
Interior								
Floors								
Cast in Place Concrete	44%			LIFE	**	5	\$14,200	
Ceramic Tile	9%			2039	**	5	\$1,300	
Wood	47%	Now	\$23,400	2054	**	5	\$6,500	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : 2nd And 3rd Floor</i>								
Interior Walls								
Ceramic Tile	10%			2035	**	5	\$2,000	
Gypsum Board	35%			LIFE	**	5	\$4,300	
Masonry: Brick	55%	4+	\$8,900	LIFE	**			
<i>Efflorescence, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Men's Locker Room.</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement.</i>								

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

Estimates are rounded to the nearest hundred dollars.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 282/LADDER CO. 148**  
**Asset # : 13168**

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

## Interior

## Ceilings

AcousTileSusp.Lay-In	10%			2043	**	5	\$1,500	
Exposed Struc: Steel	20%			LIFE	**			
Gypsum Board	25%			LIFE	**	5	\$4,600	
Plaster	45%			LIFE	**	5	\$4,200	

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

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amperes</i>								

## Switchgear / Switchboard

Fused Disc Sw	100%			2046	**	5	\$100	
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## Raceway

Conduit	100%			2046	**	1		
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## Panelboards

Fused Disc Sw	30%			2034	**	5	\$100	
Molded Case Bkrs	70%			2042	**	5	\$300	

## Wiring

Thermoplastic	100%			2046	**	1		
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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## Lighting

## Interior Lighting

Fluorescent	75%			2026	\$28,600	10	\$9,500	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								

Fluorescent	25%			2031	**	10	\$3,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And First Floor</i>								

## Egress Lighting

Exit, LED	100%			2041	**	1		
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## Exterior Lighting

HID	100%			2031	**	10		
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<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## 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.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 282/LADDER CO. 148**

**Asset # : 13168**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2046	**	1		
Conversion Equipment								
Furnace	50%			2031	**	1	\$3,400	
Hot Water Boiler	50%			2039	**	1	\$3,400	
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,800	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Hot Wtr Piping/Pump	50%	Now	\$500	2042	**	4	\$300	
<i>Leak Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Radiator Valves</i>								
Terminal Devices								
Convactor/Radiator	100%			2039	**	1	\$4,400	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%	Now	\$8,200	2031	**	2	\$700	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Ongoing Control Problems</i>								
Distribution								
Ductwork/Diffusers	75%	Now	\$13,200	LIFE	**	2	\$13,400	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Ductwork/Diffusers	25%			LIFE	**	2	\$4,500	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,700	
Exhaust Fans								
Roof	40%			2026	\$8,700	2	\$200	
Roof	60%			2031	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Gas Fired	100%	Now	\$800	2024	\$8,000	2	\$200	
<i>Malfunctioning, Extent : Light, Area Affected : 100%</i>								
<i>Location : Circulating Pump Seized</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 100 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 282/LADDER CO. 148**  
**Asset # : 13168**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%			2031	**	4	\$300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Duplex Unit With Alarm</i>					
	Backflow Preventer							
	Generic	100%			2031	**	1	\$800
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Chemical System							
	Generic	100%			2024	\$26,700	1-3	\$3,700

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 283  
**Address** : 885 HOWARD AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.283 / 13169 **Yr Built/Renovated** : 1974 /  
**Area Sq Ft** : 11,898 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 26-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 3580 **Lot** : 20 **BIN** : 3081953

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$731,500	
Interior Architecture	\$41,800	\$49,700
Electrical	\$67,200	\$85,300
<b>Total</b>	<b>\$840,500</b>	<b>\$135,000</b>
Importance Code A	\$731,500	
Importance Code B	\$109,000	\$135,000
<b>Total</b>	<b>\$840,500</b>	<b>\$135,000</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$7,100		\$1,800	
Interior Architecture	\$38,500	\$700		
Electrical	\$12,300	\$1,500	\$1,100	\$800
Mechanical	\$12,000	\$1,300	\$36,100	\$1,700
<b>Total</b>	<b>\$69,900</b>	<b>\$3,500</b>	<b>\$39,100</b>	<b>\$2,500</b>
Importance Code A	\$7,700	\$600	\$2,600	\$600
Importance Code B	\$49,100	\$2,900	\$36,500	\$2,000
Importance Code C	\$13,100			
<b>Total</b>	<b>\$69,900</b>	<b>\$3,500</b>	<b>\$39,100</b>	<b>\$2,500</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 283**  
**Asset # : 13169**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	0-2	\$107,000	LIFE	**	5	\$17,400	
<i>Vegetation Growth, Extent : Severe, Area Affected : 50%</i>								
<i>Location : South, East And North Facades.</i>								
Metal/Glass Curt Wall	10%	Now	\$402,000	LIFE	**	5	\$4,700	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Kitchen, Workout Room</i>								
<i>Deformed/Dented, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Kitchen, Workout Room</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Kitchen, Workout Room</i>								
Wood Overhead Doors	20%	Now	\$64,100	2040	**	5	\$12,400	
<i>Split/Cracked, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Entry Facade</i>								
Windows								
Aluminum	100%	Now	\$57,400	2052	**	5	\$700	
<i>Bent/Warped Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Parapets								
Concrete Masonry Unit	70%			LIFE	**	5	\$2,500	
Metal Panel	30%			2047	**	5	\$3,700	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 283**  
**Asset # : 13169**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	5%	Now	\$3,600	2042	**			1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Lower Roof - Rear Yard</i>								
Metal Panel	5%	0-2	\$3,500	2040	**			
<i>Deteriorated Finish, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Side Yard</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Side Yard</i>								
Single Ply Membrane	80%	Now	\$52,500	2032	**			
<i>Blisters, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Main And Lower Roofs</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Lower Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations, Upper/ Lower Roofs</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Lower Roof @ Drains</i>								
Sloped Glazing	10%	Now	\$48,500	LIFE	**	5	\$27,100	
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Glazing Clouded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : North Facade And Above Gymnasium</i>								
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$25,000	
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2030	**	5	\$1,000	
Quarry Tile	5%			2040	**	5	\$1,400	
Vinyl Tile	30%			2027		3	\$49,700	\$2,100
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2040	**	5	\$1,300	
Concrete Masonry Unit	42%	4+	\$12,500	LIFE	**	5	\$4,400	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Corridor</i>								
Gypsum Board	8%			LIFE	**	5	\$1,300	
Plaster	10%			LIFE	**	5	\$800	
SGFT/Glazed Masonry	25%			LIFE	**			

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 283**  
**Asset # : 13169**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Interior								
Ceilings								
AcousTileConcealSpLn	10%	4+	\$3,000	2032	**	5	\$1,200	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
AcousTileSusp.Lay-In	55%	Now	\$41,800	2040	**	5	\$5,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	35%	Now	\$21,200	LIFE	**	5	\$1,000	
<i>Paint Peeling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Apparatus Room At Doors</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2027	\$4,900	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Rated At 350 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	\$49,900	5	\$300	
Raceway								
Conduit	90%			2027	\$28,800	1		
Conduit	10%			2047	**	1		
Panelboards								
Molded Case Bkrs	90%			2026	\$35,400	5	\$300	
Molded Case Bkrs	10%			2043	**	5		
Wiring								
Thermoplastic	90%			2027	\$25,500	1		
Thermoplastic	10%			2047	**	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,700	5	\$100	
Ground								
Grounding Devices								
Generic	100%	2-4	\$9,700	LIFE	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2025	\$4,900	1	\$3,700	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 283**  
**Asset # : 13169**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Stand-by Power</b>								
<b>Generators</b>								
Diesel	100%			2023	\$67,200	1	\$4,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
<b>Batteries</b>								
Lead/Acid	100%			2020	\$1,500	5	\$400	
<b>Fuel Storage</b>								
Day Tank	50%			2026	\$400	5	\$1,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 10 Gallons Rated Capacity</i>								
Underground Storage	50%			LIFE	**	5	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
LED	100%			2035	**			
<b>Egress Lighting</b>								
Emergency, Service	100%			2035	**	1		
<b>Exterior Lighting</b>								
HID	20%			2035	**	10		
No Component	80%							
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	100%			2047	**	1		
<b>Conversion Equipment</b>								
Hot Water Boiler	100%			2044	**	1	\$5,900	
<b>Distribution</b>								
Hot Wtr Piping/Pump	100%			2035	**	4	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : There Is Only 1 Thermostat In The Building</i>								
<b>Terminal Devices</b>								
Convactor/Radiator	75%			2032	**	1	\$2,900	
Unit Heater - Steam	25%			2027	\$10,200	4	\$300	
<b>Air Conditioning</b>								
<b>Energy Source</b>								
Electricity	100%			2043	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 283**  
**Asset # : 13169**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>			
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Air Conditioning									
Conversion Equipment									
	Exterior Pkg Unit - Cooling	40%	Now	\$1,800	2032	* *	2	\$200	
<i>Not in Service, Extent : Severe, Area Affected : 10%</i>									
<i>Location : 1 Unit, Roof</i>									
<i>Other Observation, Extent : Light, Area Affected : 40%</i>									
<i>Location : Roof</i>									
<i>Explanation : 3 Units. R-410a</i>									
	Window/Wall Unit	20%			2020	\$4,700	1		
	No Component	40%							
Ventilation									
Distribution									
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$6,600	
Exhaust Fans									
	Roof	80%			2027	\$15,100	2	\$300	
	Wall Unit	20%			2027	\$800	2	\$100	
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2037	* *	1		
Water Heater									
	Gas Fired	100%			2022	\$6,900	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : 2 - 75 Gallon Units</i>									
Sanitary Piping									
	Cast Iron	100%	Now	\$4,200	LIFE	* *	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Water Backup In Basement</i>									
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Fixtures									
	Generic	100%							
Fire Suppression									
Sprinkler									
	No Component	90%							
	Generic	10%			2027	\$11,100	1-2	\$300	
Chemical System									
	Generic	100%			2022	\$26,700	1-3	\$3,700	

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

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 284/LADDER CO. 149  
**Address** : 1157 79th STREET BTWN 11TH AVE - 12TH AVE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.284 / 13170 **Yr Built/Renovated** : 1913 / 1999  
**Area Sq Ft** : 10,350 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 21-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 6254 **Lot** : 53 **BIN** : 3161800

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$212,100	
Electrical	\$39,900	\$83,300
Mechanical		\$42,400
Site Enclosure	\$57,000	
<b>Total</b>	<b>\$309,000</b>	<b>\$125,700</b>
Importance Code A	\$212,100	
Importance Code B	\$39,900	\$125,700
Importance Code C	\$57,000	
<b>Total</b>	<b>\$309,000</b>	<b>\$125,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$24,600			\$7,200
Interior Architecture	\$102,400	\$1,900	\$900	\$800
Electrical	\$19,800		\$100	\$300
Mechanical	\$23,900	\$1,500	\$1,700	\$41,800
<b>Total</b>	<b>\$170,700</b>	<b>\$3,400</b>	<b>\$2,700</b>	<b>\$50,100</b>
Importance Code A	\$25,600	\$1,000	\$1,000	\$8,300
Importance Code B	\$67,800	\$1,200	\$1,700	\$41,700
Importance Code C	\$77,300	\$1,200		
<b>Total</b>	<b>\$170,700</b>	<b>\$3,400</b>	<b>\$2,700</b>	<b>\$50,100</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**  
**ENGINE CO. 284/LADDER CO. 149**  
**Asset # : 13170**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$141,300	LIFE	**	5	\$22,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,100	
Masonry: Limestone	5%			LIFE	**	5	\$1,100	
Wood Overhead Doors	10%			2033	**	5	\$14,300	
Windows								
Aluminum	100%	Now	\$14,900	2044	**	5	\$1,700	
<i>Air Infiltration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second Floor</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
Parapets								
Cast Stone/Terra Cotta	20%	Now	\$8,700	LIFE	**	5	\$5,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Third Floor</i>								
Stucco Cement	80%	Now	\$70,800	2048	**	5	\$3,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	10%	Now	\$1,000	2031	**			
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								
Not Accessible	90%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : High Hatch</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$19,200	
Ceramic Tile	10%			2037	**	5	\$1,800	
Quarry Tile	5%			2041	**	5	\$1,300	
Vinyl Tile	35%	Now	\$16,000	2038	**	3	\$2,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 284/LADDER CO. 149**  
**Asset # : 13170**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	5%	Now	\$33,900	2043	**	5	\$600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Ceramic Tile	10%			2031	**	5	\$2,400	
Masonry: Brick	35%	0-2	\$33,500	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	50%	Now	\$9,900	LIFE	**	5	\$3,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : First And Second Floors</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	35%	Now	\$5,100	2041	**	5	\$3,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 3rd Floor</i>								
Exposed Struc: Steel	30%			LIFE	**			
Plaster	35%	Now	\$4,100	LIFE	**	5	\$3,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : First Floor</i>								
<b>Site Enclosure</b>								
<b>Free Standing Walls</b>								
Masonry: Brick	100%	Now	\$57,000	2038	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : In Front of Building</i>								
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Sides Of Building</i>								
<i>Explanation : Two Walkways</i>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2041	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	100%			2028	\$4,900	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2028	\$49,900	5	\$300	
<b>Raceway</b>								
Conduit	100%			2028	\$32,000	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. 284/LADDER CO. 149**

**Asset # : 13170**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%			2027	\$2,000	5		
Molded Case Bkrs	85%			2027	\$33,400	5	\$200	
Molded Case Bkrs	10%			2044	**	5		
Wiring								
Braided Cloth	70%	Now	\$19,800	2053	**	1		
<i>Insulation Aged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	20%			2028	\$5,700	1		
Thermoplastic	10%			2048	**	1		
Motor Controllers								
Locally Mounted	100%			2026	\$14,700	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	30%			2036	**	10	\$2,800	
LED	70%			2036	**			
Exterior Lighting								
HID	100%			2023	\$39,900	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2054	**	1		
Conversion Equipment								
Furnace	5%			2028	\$1,200	1	\$300	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Gymnasium</i>								
<i>Explanation : 1 Modine Gas Fire Unit</i>								
Steam Boiler	95%			2041	**	1	\$9,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	95%			2038	**			
No Component	5%							
Terminal Devices								
Convactor/Radiator	80%			2026	\$42,400	1	\$2,700	
Fan Coil Unit/Heat	15%			2028	\$22,200	1	\$500	
No Component	5%							

**Air Conditioning**

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 284/LADDER CO. 149**  
**Asset # : 13170**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2036	**	1		
Conversion Equipment								
Split Unit	10%			2023	\$21,100			
<i>R-22 Refrigerant, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2 Units, Roof</i>								
Window/Wall Unit	50%			2023	\$10,300	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%	Now	\$11,300	2038	**	1	\$300	
<i>Broken, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 3rd Floor Ceiling</i>								
No Component	90%							
Heat Rejection								
Evaporative Condenser	10%			2023	\$1,800	2	\$700	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$2,300	
No Component	60%							
Exhaust Fans								
Interior	20%			2023	\$7,000	2	\$100	
Roof	20%			2028	\$3,300	2	\$100	
Wall Unit	10%			2028	\$400	2		
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	80%			2038	**	1		
Galvanized Steel	20%	Now	\$400	2026	\$8,700	1		
<i>Corroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Water Main And Connecting Piping, Basement</i>								
Water Heater								
Gas Fired	100%			2026	\$6,000	2	\$200	
Sanitary Piping								
Cast Iron	100%	0-2	\$7,200	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Storm Drain Piping								
Cast Iron	100%	Now	\$2,100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor, Floor Drain</i>								
<i>Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 284/LADDER CO. 149**  
**Asset # : 13170**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Sump Pump(s) Non-Submersible	100%	Now	\$1,500	2038	**	4	\$200
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures	Generic	100%						
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 10-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 9121 **Lot** : 11 **BIN** : 4438526

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$139,600
Interior Architecture	\$219,400	
Electrical		\$39,400
Mechanical		\$36,000
<b>Total</b>	<b>\$219,400</b>	<b>\$214,900</b>
Importance Code A		\$139,600
Importance Code B	\$159,000	\$75,400
Importance Code C	\$60,400	
<b>Total</b>	<b>\$219,400</b>	<b>\$214,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$36,400			
Interior Architecture	\$87,900	\$1,300		\$900
Electrical	\$11,100	\$9,500	\$400	\$400
Mechanical	\$46,500	\$9,300	\$2,200	\$1,300
<b>Total</b>	<b>\$182,000</b>	<b>\$20,100</b>	<b>\$2,600</b>	<b>\$2,600</b>
Importance Code A	\$37,400	\$1,000	\$1,000	\$1,000
Importance Code B	\$110,800	\$19,100	\$1,600	\$1,600
Importance Code C	\$33,800			
<b>Total</b>	<b>\$182,000</b>	<b>\$20,100</b>	<b>\$2,600</b>	<b>\$2,600</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**  
**ENGINE CO. 285/LADDER CO. 142**  
**Asset # : 13171**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	10%	Now	\$9,100	LIFE	**	5	\$21,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Window Sills On Various Floors</i>								
Masonry: Brick	70%			LIFE	**	5	\$19,200	
Masonry: Limestone	5%			LIFE	**	5	\$1,000	
Metal Sect. OHD	15%			2039	**	5	\$12,900	
Windows								
Aluminum	100%	Now	\$11,700	2034	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor, Rear Wall.</i>								
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$900	
Metal Panel	10%	Now	\$1,600	2046	**	5	\$200	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 65%</i>								
<i>Location : Various Locations Around Roof</i>								
Roof								
Metal, Corrugated	5%			2031	**	1		
Modified Bitumen	95%	Now	\$14,000	2026	\$139,600			
<i>Recent Replace Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Over 3rd Floor Gymnasium</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. 285/LADDER CO. 142**  
**Asset # : 13171**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	30%	Now	\$24,100	LIFE	**	5	\$9,900	
<i>Drains Clogged, Extent : Light, Area Affected : 2%</i>								
<i>Location : Apparatus Floor.</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor.</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Room Floor</i>								
<i>Explanation : Depressions. Temporary Support In Place.</i>								
Ceramic Tile	6%	Now	\$10,800	2041	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : All Bathroom Floors</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Bathroom Floors</i>								
<i>Explanation : Need Replacement</i>								
Quarry Tile	5%	Now	\$11,100	2039	**	5	\$600	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	50%	Now	\$65,700	2036	**	3	\$2,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Uneven Substrate, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 3rd Floor Gymnasium</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Explanation : Tiles Are Old And Worn</i>								
Wood	9%			2061	**	5	\$2,600	

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 285/LADDER CO. 142**  
**Asset # : 13171**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%	Now	\$21,500	2041	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : All Bathroom Floors</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : All Bathroom Floors</i>								
Masonry: Brick	10%	0-2	\$3,000	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor.</i>								
Masonry: Brick	10%	Now	\$6,100	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	50%	0-2	\$3,100	LIFE	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
SGFT/Glazed Masonry	25%	Now	\$60,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Apparatus Floor</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$1,300	2046	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Exposed Concrete	30%	Now	\$93,300	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement.</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement.</i>								
<i>Spalling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded Steel Structure; Shoring Members Help Support Steel Structure Below Apparatus Floor.</i>								
Plaster	65%	Now	\$6,900	LIFE	**	5	\$6,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : First And Third Floors</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Third Floor</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amperes Service</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2046	**	5	\$300	
Raceway								
Conduit	15%			2046	**	1		
Conduit	85%			2026		1	\$27,200	
Panelboards								
Molded Case Bkrs	100%			2025		5	\$39,400	\$300
Wiring								
Thermoplastic	100%			2036	**	1		
Motor Controllers								
Locally Mounted	20%			2031	**	5		
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. 285/LADDER CO. 142**

**Asset # : 13171**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2039	**	1	\$3,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : For Portable Generator.</i>						
<b>Lighting</b>								
Interior Lighting								
Fluorescent	90%			2031	**	10	\$8,300	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Fluorescent	9%			2026	\$2,500	10	\$800	
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Incandescent	1%			2021	\$700	2		
		<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Tv Room</i>						
<b>Exterior Lighting</b>								
HID	50%			2026	\$19,500	10		
No Component	50%							
<b>Alarm</b>								
Fire/Smoke Detection								
No Component	90%							
Generic, Analog	10%	4+	\$10,700	2036	**	1-3	\$600	
		<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2052	**	1		
<b>Conversion Equipment</b>								
Steam Boiler	100%			2043	**	1	\$10,000	
<b>Distribution</b>								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$700	
		<i>Insul. Deteriorating, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Basement</i>						

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 285/LADDER CO. 142**  
**Asset # : 13171**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	80%	4+	\$16,600	2043	**	1	\$2,300	
<i>Corroded, Extent : Light, Area Affected : 30%</i>								
<i>Location : 2nd And 3rd Floors</i>								
Unit Heater - Steam	20%			2026	\$6,900	4	\$200	
<i>Abandoned in Place, Extent : Light, Area Affected : 40%</i>								
<i>Location : 1st Floor And 3rd Floor</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Window/Wall Unit	75%			2024	\$15,100	1		
No Component	25%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,600	
Exhaust Fans								
Interior	10%	Now	\$3,400	2036	**	2		
<i>Abandoned in Place, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 1st Floor General Exhaust</i>								
Interior	40%			2026	\$13,800	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen Hood</i>								
<i>Explanation : No System</i>								
Roof	50%			2021	\$8,000	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	50%			2026	\$36,000	1		
Galvanized Steel	50%	Now	\$12,700	2043	**	1		
<i>Leak Evident, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd And 3rd Floor Bathrooms</i>								
Water Heater								
Gas Fired	100%			2024	\$5,900	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$12,100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Roof Drain, 1st Floor Drain</i>								
<i>Corroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Sump Pump(s)								
Submersible	100%			2020	\$300	4	\$300	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 285/LADDER CO. 142**  
**Asset # : 13171**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	
Plumbing								
Fixtures								
Generic		100%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 05-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 3700 **Lot** : 21 **BIN** : 4090228

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$129,700
Interior Architecture	\$139,900	\$74,100
<b>Total</b>	<b>\$139,900</b>	<b>\$203,800</b>
Importance Code A		\$129,700
Importance Code B	\$139,900	\$74,100
<b>Total</b>	<b>\$139,900</b>	<b>\$203,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$50,400		\$10,500	
Interior Architecture	\$64,800	\$1,600		\$1,100
Electrical	\$16,800		\$34,900	
Mechanical	\$51,300	\$1,300	\$22,400	\$1,200
<b>Total</b>	<b>\$183,300</b>	<b>\$3,000</b>	<b>\$67,700</b>	<b>\$2,300</b>
Importance Code A	\$57,500	\$900	\$11,300	\$900
Importance Code B	\$102,200	\$500	\$56,400	\$1,400
Importance Code C	\$23,700	\$1,600		
<b>Total</b>	<b>\$183,300</b>	<b>\$3,000</b>	<b>\$67,700</b>	<b>\$2,300</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 286/LADDER CO. 135**  
**Asset # : 13172**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	73%			LIFE	**	5	\$20,400	
Masonry: Granite	2%	4+	\$1,300	LIFE	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : At Overhead Door Entrances</i>								
Masonry: Limestone	10%	4+	\$6,200	LIFE	**	5	\$2,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Jambs At Overhead Doors</i>								
Wood Overhead Doors	15%			2032	**	5	\$20,900	
Windows								
Aluminum	100%	Now	\$29,800	2052	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : At Rear Kitchen Window</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 85%</i>								
<i>Location : Myrtle Avenue Windows, Women Restroom, Apparatus Floor, Rear Elevation At 2nd And 3rd Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Thermally Inefficient</i>								
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$900	
Masonry: Limestone	10%			LIFE	**	5	\$100	
Roof								
Built-Up (BUR)	95%	4+	\$13,000	2027			\$129,700	
<i>Blisters, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roof</i>								
<i>Split/Cracked, Extent : Severe, Area Affected : 33%</i>								
<i>Location : Overlap Joints Are Failing</i>								
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	5%			2047	**	10	\$1,600	

Interior

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 286/LADDER CO. 135**  
**Asset # : 13172**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	25%	Now	\$34,800	LIFE	**	5	\$7,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations In The Cellar</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Slab Is Currently Shored With Temporary Columns To Carry Truck Load, Repair/ Replacement Is Required</i>								
Ceramic Tile	5%	2-4	\$300	2030	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Kitchen</i>								
Quarry Tile	5%	4+	\$400	2032	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 4%</i>								
<i>Location : 1st Floor Toilet, Kitchen</i>								
Vinyl Tile	65%	2-4	\$37,000	2027	\$74,100	3	\$3,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 3rd And 2nd Floor</i>								
Interior Walls								
Ceramic Tile	25%			2036	**	5	\$3,300	
Masonry: Brick	25%	4+	\$13,000	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Near Myrtle Avenue Elevation In Cellar</i>								
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : In Cellar On Myrtle Avenue Side Of Building</i>								
Plaster	50%	Now	\$10,700	LIFE	**	5	\$2,000	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Cellar Stairs, 2nd Floor And 3rd Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor, Cellar Stairs</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 3rd Floor Facing Myrtle Avenue, Cellar Hatch, East And West Walls</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 286/LADDER CO. 135**  
**Asset # : 13172**

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

## Interior

## Ceilings

AcousTileSusp.Lay-In	10%			2040	**	5	\$1,300	
Exposed Concrete	25%	Now	\$102,900	LIFE	**	5	\$500	

*Water Penetration, Extent : Moderate, Area Affected : 33%*

*Location : Cellar 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/ Repair Is Required.*

Gypsum Board	5%			LIFE	**	5	\$800	
Plaster	60%	4+	\$5,000	LIFE	**	5	\$4,700	

*Paint Peeling, Extent : Light, Area Affected : 10%*

*Location : Throughout*

*Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%*

*Location : Cellar Stair*

*Staining/Discoloring, Extent : Moderate, Area Affected : 35%*

*Location : 1st Floor And 2nd Floor*

Electrical		Current Repair		Future 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	\$4,900	2057	**	5	\$100	
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*Enclosure Corroded, Extent : Severe, Area Affected : 50%*

*Location : Basement*

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

*Location : Basement*

*Explanation : Rating Not Visible*

## Raceway

Conduit	100%			2037	**	1		
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## Panelboards

Molded Case Bkrs	50%			2035	**	5	\$100	
Molded Case Bkrs	50%	0-2	\$11,800	2052	**	5	\$100	

*Enclosure Corroded, Extent : Moderate, Area Affected : 100%*

*Location : Basement*

## Wiring

Thermoplastic	100%			2037	**	1		
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## Motor Controllers

Locally Mounted	50%			2032	**	5		
Locally Mounted	50%			2044	**	5		

*Recent Replace Evident, Extent : Light, Area Affected : 100%*

*Location : At Overhead Garage Doors*

## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 286/LADDER CO. 135**  
**Asset # : 13172**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	90%			2022	\$21,900	10	\$7,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	10%			2022	\$5,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Explanation : Incandescent Lamps Observed</i>								
Egress Lighting Exit, Battery	25%			2027	\$800	10	\$100	
No Component	75%							
Exterior Lighting HID	100%			2032	**	10		
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source Natural Gas	100%			2037	**	1		
Conversion Equipment Steam Boiler	5%	4+	\$1,400	2032	**	1	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : Chimney Clean Out Door Rusted At Hinges.</i>								
Steam Boiler	95%			2032	**	1	\$8,300	
Distribution Central Plant Steam Piping/Pmp	20%			2047	**	4	\$100	
Central Plant Steam Piping/Pmp	80%			2037	**	4	\$500	
Terminal Devices Convactor/Radiator	80%			2040	**	1	\$2,300	
Convactor/Radiator	10%	Now	\$1,300	2040	**	1	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Explanation : Broken Radiator Covers And Missing Valves</i>								
Unit Heater - Steam	10%			2032	**	4	\$100	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2043	**	1		
Conversion Equipment Split Unit	10%			2022	\$17,900			
Window/Wall Unit	40%			2020	\$7,000	1		
No Component	50%							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 286/LADDER CO. 135**  
**Asset # : 13172**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Ductwork Feeding Kitchen From Split Unit</i>								
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$2,000	
Ductwork/Diffusers	10%	0-2	\$4,600	LIFE	**	2-5	\$500	
<i>Dented, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Gooseneck In Backyard</i>								
No Component	50%							
Exhaust Fans								
Interior	100%	0-2	\$29,800	2037	**	2	\$200	
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2032	**	1		
Water Heater								
Gas Fired	50%			2022		2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : 75 Gallon Heater</i>								
Gas Fired	50%	Now	\$2,600	2027	\$2,600	2	\$100	
<i>Abandoned in Place, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	80%			LIFE	**	1		
Cast Iron	20%	0-2	\$3,500	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Basement</i>								
Sump Pump(s)								
Not Accessible	100%							
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2025	\$2,700	1-3	\$400	
No Component	90%							

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 26-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 2477 **Lot** : 26 **BIN** : 4057367

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$382,000	
<b>Total</b>	<b>\$382,000</b>	
Importance Code A	\$382,000	
<b>Total</b>	<b>\$382,000</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$23,100		\$6,600	
Interior Architecture	\$74,700	\$500	\$500	\$600
Electrical	\$1,500	\$2,300	\$5,200	\$600
Mechanical	\$1,800	\$2,100	\$5,200	\$1,800
<b>Total</b>	<b>\$101,200</b>	<b>\$4,900</b>	<b>\$17,500</b>	<b>\$3,100</b>
Importance Code A	\$23,600	\$400	\$7,200	\$400
Importance Code B	\$19,600	\$4,500	\$10,300	\$2,600
Importance Code C	\$58,000			
<b>Total</b>	<b>\$101,200</b>	<b>\$4,900</b>	<b>\$17,500</b>	<b>\$3,100</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**  
**ENGINE CO. 287/LADDER CO. 136**  
**Asset # : 13173**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Copper/Terne	3%	4+	\$23,100	2062	**			
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Cornice At Front Of Building</i>								
Masonry: Brick	70%	Now	\$170,900	LIFE	**	5	\$18,500	1
<i>Vertical Cracks, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Exterior Wall Of Kitchen And Side Yard Due To Adjacent Construction</i>								
Masonry: Granite	2%			LIFE	**	5	\$400	
Masonry: Limestone	10%			LIFE	**	5	\$2,000	
Stucco Cement	10%			2032	**	5	\$6,600	
Wood Overhead Doors	5%			2032	**	5	\$6,600	
Windows								
Aluminum	100%	0-2	\$35,300	2043	**	5	\$1,400	
<i>Air Infiltration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Side Yard Windows Are Out Of Plumb In Masonry Opening</i>								
Parapets								
Cast Stone/Terra Cotta	15%	Now	\$35,400	LIFE	**	5	\$3,500	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Cast Stone Copings At Parapet</i>								
Masonry: Brick	85%	Now	\$60,800	LIFE	**	5	\$2,600	1
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout Parapets</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Rear Perimeter Of Building</i>								
Roof								
Modified Bitumen	97%	Now	\$79,500	2032	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Main Roof</i>								
<i>Explanation : Water Penetration Reported Previously Results From Open And Missing Mortar Joint In Brick Parapets</i>								
Skylight, Metal/Glass	3%			2037	**	10	\$1,200	
Interior								
Floors								
Carpet	10%			2026		3	\$2,500	
Cast in Place Concrete	45%			LIFE	**	5	\$12,500	
Ceramic Tile	10%	2-4	\$5,000	2030	**	5	\$600	
<i>Loose Units, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Tile Grout Joints Failing</i>								
Quarry Tile	5%			2032	**	5	\$1,000	
Vinyl Tile	30%			2027		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. 287/LADDER CO. 136**  
**Asset # : 13173**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	15%			2030	**	5	\$2,400	
Ceramic Tile	25%	Now	\$28,000	2036	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Various Locations In Apparatus Room</i>								
Gypsum Board	30%	Now	\$400	LIFE	**	5	\$2,900	
<i>Water Penetration, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Second Floor Office At Windows</i>								
Masonry: Brick	15%	Now	\$28,500	LIFE	**			
<i>Vertical Cracks, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Plaster	15%			LIFE	**	5	\$700	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	35%	Now	\$11,000	2040	**	5	\$2,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Kitchen And Second Floor Perimeter</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Kitchen And Second Floor Perimeter</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Kitchen And Second Floor Perimeter</i>								
Exposed Struc: Steel	30%			LIFE	**			
Plaster	35%			LIFE	**	5	\$2,800	
<b>Site Pavements</b>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2032	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	100%			2037	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 600 Amperes</i>								
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%			2037	**	5		
<b>Raceway</b>								
Conduit	100%			2037	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2035	**	5	\$200	
<b>Wiring</b>								
Thermoplastic	100%			2037	**	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. 287/LADDER CO. 136**

**Asset # : 13173**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$2,700	
Generators								
Diesel	100%			2036	**	1	\$3,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 64 Kw</i>						
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$300	
Fuel Storage								
Day Tank	100%			2035	**	5	\$1,600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 60 Gallons</i>						
Lighting								
Interior Lighting								
Fluorescent	100%			2027	\$24,400	10	\$8,100	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Egress Lighting								
Emergency, Service	100%			2022	\$4,400	1		
Exterior Lighting								
HID	50%			2027	\$17,000	10		
No Component	50%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Furnace	50%			2032	**	1	\$2,200	
		<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Rooftop</i>						
Hot Water Boiler	50%			2032	**	1	\$2,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 5 Boilers Piped Together</i>						

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

Estimates are rounded to the nearest hundred dollars.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 287/LADDER CO. 136**

**Asset # : 13173**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Hot Wtr Piping/Pump	50%			2043	**	4	\$200	
Terminal Devices								
Air Handler	50%			2032	**	1	\$2,700	
Convactor/Radiator	40%			2040	**	1	\$1,100	
Unit Heater - Steam	10%			2032	**	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	90%			2035	**	2	\$500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rooftop</i>								
Window/Wall Unit	10%			2025	\$1,800	1		
Distribution								
Ductwork/Diffusers	90%			LIFE	**	2	\$10,300	
No Component	10%							
Terminal Devices								
Air Handler/Cool/Ht	100%			2032	**	1	\$5,400	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,900	
Exhaust Fans								
Interior	50%			2032	**	2	\$100	
Roof	50%			2032	**	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Electric	100%			2025	\$7,400	4	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 120 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2021	\$300	4	\$300	
Sewage Ejector(s)								
Electric	100%			2032	**	4	\$500	
Fixtures								
Generic	100%							

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Estimates are rounded to the nearest hundred dollars.

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 287/LADDER CO. 136**  
**Asset # : 13173**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression								
Sprinkler								
	No Component	25%						
	Generic	75%			2047	**	1-2	\$1,800
Chemical System								
	Wet	5%			2025	\$1,300	1-3	\$200
	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 26-Apr-2016 **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 1628 **Lot** : 18 **BIN** : 4040712

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$182,100	
Electrical		\$8,600
<b>Total</b>	<b>\$182,100</b>	<b>\$8,600</b>
Importance Code A	\$182,100	
Importance Code B		\$8,600
<b>Total</b>	<b>\$182,100</b>	<b>\$8,600</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$37,100	\$100	\$10,900	
Interior Architecture	\$67,200	\$1,100	\$300	\$800
Electrical	\$1,300	\$100	\$10,100	
Mechanical	\$1,400	\$1,200	\$9,900	\$1,000
Site Pavements	\$9,500			
<b>Total</b>	<b>\$116,600</b>	<b>\$2,500</b>	<b>\$31,100</b>	<b>\$1,800</b>
Importance Code A	\$37,900	\$900	\$11,700	\$800
Importance Code B	\$49,400	\$1,200	\$19,500	\$1,100
Importance Code C	\$29,300	\$400		
<b>Total</b>	<b>\$116,600</b>	<b>\$2,500</b>	<b>\$31,100</b>	<b>\$1,800</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.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 289/LADDER CO. 138**  
**Asset # : 13175**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	2-4	\$182,100	LIFE	**	5	\$18,100	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Elevation - Alley Side, 1st To 3rd Floor</i>								
Masonry: Granite	3%			LIFE	**	5	\$600	
Masonry: Limestone	20%	2-4	\$31,400	LIFE	**	5	\$3,900	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Elevation</i>								
Metal Sect. OHD	7%			2040	**	5	\$5,700	
Windows								
Aluminum	100%			2049	**	5	\$1,700	
Parapets								
Copper/Terne	2%			2071	**	5	\$300	
Masonry: Brick	88%			LIFE	**	5	\$2,300	
Masonry: Granite	10%			LIFE	**	5	\$300	
Roof								
Copper/Terne	3%	0-2	\$2,900	2042	**			
<i>Drains Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 3rd Floor At Base Of Copper Roofs</i>								
Modified Bitumen	85%			2032	**	10	\$10,900	
<i>Ponding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Low Roof</i>								
Slate	12%			LIFE	**			
Interior								
Floors								
Cast in Place Concrete	38%			LIFE	**	5	\$11,000	
Ceramic Tile	10%			2036	**	5	\$1,300	
Quarry Tile	3%			2032	**	5	\$600	
Terrazzo	2%			LIFE	**	5	\$200	
Vinyl Tile	47%	2-4	\$23,600	2037	**	3	\$2,300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$900	
Masonry: Brick	25%	0-2	\$18,600	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Wall Near Sidewalk Hatch - Replace Hatch</i>								
Plaster	70%	Now	\$10,700	LIFE	**	5	\$3,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Third Floor, Third Floor Roof Access</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Stairwell, 3rd Floor Roof Access</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 289/LADDER CO. 138**  
**Asset # : 13175**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%	Now	\$1,800	2040	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Engine Office, Restroom Next To Engine Office</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Engine Office, Restroom Next To Engine Office, Rear Sitting Room</i>								
Exposed Concrete	10%			LIFE	**	5	\$200	
Exposed Struc: Steel	20%			LIFE	**			
Plaster	65%	Now	\$12,600	LIFE	**	5	\$5,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second And Third Floor Restrooms</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Third Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second And Third Floor Restrooms And Engine Office</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2047	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%	Now	\$9,500	2047	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Sidewalk Hatch Leaking Into Basement</i>								
<i>Explanation : Leaking Hatch</i>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2040	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	50%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Service Area</i>								
<i>Explanation : Main Fused Disconnect Switch 3 Phase, 200 Amperes In Main Switchboard</i>								
Fused Disc Sw	50%			2037	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Service Area</i>								
<i>Explanation : Main Fused Disconnect Switch 3 Phase, 200 Amperes In Main Switchboard</i>								
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%			2037	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Service Area</i>								
<i>Explanation : Showing Wear Due To Regular Usage</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 289/LADDER CO. 138**  
**Asset # : 13175**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Raceway</b>								
Conduit	100%			2037	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	20%			2026	\$8,600	5		
<i>Aged Component, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Main Area</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Main Area</i>								
<i>Explanation : Trim Is Missing.</i>								
Molded Case Bkrs	80%			2035	**	5	\$200	
<b>Wiring</b>								
Thermoplastic	25%			2027	\$7,700	1		
Thermoplastic	75%			2037	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2032	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Roll- Up Gate</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	70%			2027	\$16,900	10	\$5,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, 1st, 2nd And 3rd Floors</i>								
Fluorescent	20%			2027	\$4,800	10	\$1,500	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, 1st, 2nd And 3rd Floors</i>								
Fluorescent	5%	Now	\$1,200	2037	**			
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>T-8 Lamps And Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Broken Lens And Bad Ballast</i>								
Incandescent	5%			2022	\$2,900	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Lounge Room</i>								
<i>Explanation : All Controlled By Local Dimmers.</i>								
<b>Exterior Lighting</b>								
HID	75%			2027	\$25,200	10		
Incandescent	25%			2022	\$7,100	2		
<b>Alarm</b>								

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**FIRE DEPARTMENT - 057  
ENGINE CO. 289/LADDER CO. 138  
Asset # : 13175**

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

Alarm

Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%			2027	\$4,600	1-3	\$200	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Bunkroom And Corridor</i>								

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

Heating

Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Furnace	5%			2027	\$1,000	1	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Heating / Cooling Unit Serves Members Room</i>								
Steam Boiler	95%			2040	**	1	\$7,500	
Distribution								
Ductwork/Diffusers	5%			LIFE	**	2-5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Members Room</i>								
Central Plant Steam Piping/Pmp	95%			2037	**	4	\$600	
Terminal Devices								
Convactor/Radiator	90%			2032	**	1	\$2,300	
Unit Heater - Steam	10%			2032	**	4	\$100	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Apparatus Floor</i>								

Air Conditioning

Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Split Unit	5%			2032	**			
Window/Wall Unit	50%			2022	\$8,700	1		
No Component	45%							
Distribution								
Ductwork/Diffusers	5%			LIFE	**	2	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Members Room</i>								
No Component	95%							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 289/LADDER CO. 138**  
**Asset # : 13175**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Terminal Devices								
Air Handler/Dir Expansion	5%			2027	\$2,600	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Members Room</i>								
No Component	95%							
Ventilation								
Distribution								
Ductwork/Diffusers	5%			LIFE	**	2-5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Kitchen Exhaust Only</i>								
No Component	95%							
Exhaust Fans								
Roof	5%			2027	\$700	2		
<i>Abandoned in Place, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1 Wall Fan On Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Serves Kitchen Exhaust</i>								
No Component	95%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Gas Fired	100%			2025	\$5,100	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$300	4	\$300	
Backflow Preventer								
No Component	95%							
Generic	5%			2032	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
Generic	100%							
Fire Suppression								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 289/LADDER CO. 138**  
**Asset # : 13175**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression								
Chemical System								
	Wet	5%			2025	\$1,500	1-3	\$200
	No Component	95%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 290/LADDER CO. 103  
**Address** : 480 SHEFFIELD AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.290 / 13176 **Yr Built/Renovated** : 1913 /  
**Area Sq Ft** : 8,689 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 06-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 3804 **Lot** : 43 **BIN** : 3084622

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$41,600	\$162,000
Electrical		\$89,200
Mechanical		\$112,500
<b>Total</b>	<b>\$41,600</b>	<b>\$363,700</b>
Importance Code A	\$41,600	\$162,000
Importance Code B		\$201,700
<b>Total</b>	<b>\$41,600</b>	<b>\$363,700</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$56,400		\$2,800	
Interior Architecture	\$89,400		\$1,100	\$1,500
Electrical	\$13,800	\$300	\$400	\$400
Mechanical	\$4,800	\$1,300	\$2,900	\$1,200
<b>Total</b>	<b>\$164,500</b>	<b>\$1,700</b>	<b>\$7,100</b>	<b>\$3,100</b>
Importance Code A	\$57,200	\$800	\$3,600	\$800
Importance Code B	\$74,800	\$900	\$3,600	\$1,900
Importance Code C	\$32,400			\$500
<b>Total</b>	<b>\$164,500</b>	<b>\$1,700</b>	<b>\$7,100</b>	<b>\$3,100</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 290/LADDER CO. 103**  
**Asset # : 13176**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	2%			2049	**	10	\$200	
Cast Stone/Terra Cotta	3%	Now	\$14,100	LIFE	**	5	\$7,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	5%	Now	\$6,800	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	83%	Now	\$41,600	LIFE	**	5	\$27,000	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	2%			LIFE	**	5	\$1,000	
Metal Sect. OHD	5%			2042	**	5	\$5,100	
Windows								
Aluminum	100%	0-2	\$5,100	2045	**	5	\$1,200	
<i>Crack/Balnc Not Funct, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$5,300	LIFE	**	5	\$1,600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Open Joints, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	35%	0-2	\$8,400	LIFE	**	5	\$700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Metal Panel	55%			2049	**	5	\$4,300	
Roof								
Asphalt Shingle	10%			2042	**	10	\$200	
Modified Bitumen	80%	0-2	\$16,200	2024	\$162,000			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof, Hose Tower</i>								
Modified Bitumen	10%			2034	**	10	\$1,500	
Interior								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 290/LADDER CO. 103**

**Asset # : 13176**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$31,900	
Ceramic Tile	5%			2038	**	5	\$700	
Quarry Tile	10%			2042	**	5	\$2,200	
Vinyl Tile	35%	4+	\$900	2034	**	3	\$1,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2038	**	5	\$1,000	
Gypsum Board	10%			LIFE	**	5-10	\$3,300	
Masonry: Brick	30%	Now	\$23,300	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Plaster	25%	Now	\$4,000	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	30%			LIFE	**	10	\$2,900	
Ceilings								
AcousTileSusp.Lay-In	5%	0-2	\$1,800	2034	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st And 2nd Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	20%	Now	\$9,300	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	35%	4+	\$21,400	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Missing Fireproofing At Steel Beam In Cellar Boiler Room</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Cellar At Front</i>								
Plaster	40%	0-2	\$7,600	LIFE	**	5	\$3,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	**			
Free Standing Walls								
Masonry: Brick	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
On-Site Walkways								
Cast in Place Concrete	100%			2042	**			

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 290/LADDER CO. 103**  
**Asset # : 13176**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Site Pavements</b>								
Parking/Driveway								
Asphalt	60%			2038	**			
Cast in Place Concrete	40%			2042	**			
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	100%			2029	\$4,900	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 350 Ampere Main Switch</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
<b>Raceway</b>								
Conduit	100%			2029	\$32,000	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2028	\$39,400	5	\$200	
<b>Wiring</b>								
Thermoplastic	100%			2029	\$28,300	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2027	\$14,700	5	\$100	
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$300	
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	20%			2034	**	10	\$1,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Alley, Basement</i>								
LED	80%			2037	**			
<b>Exterior Lighting</b>								
HID	100%	Now	\$13,400	2034	**			
<i>Damaged Fixtures, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Building Perimeter</i>								
<b>Alarm</b>								
<b>Security System</b>								
Generic	100%			2037	**	1	\$3,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Entrance And Alley</i>								
<i>Explanation : CCTV Cameras Installed By FDNY Personnel</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 290/LADDER CO. 103**

**Asset # : 13176**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Hot Water Boiler	20%			2042	**	1	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Located In Front Of Members Room</i>								
Steam Boiler	80%			2042	**	1	\$6,900	
Distribution								
Hot Wtr Piping/Pump	20%			2051	**	4	\$100	
Central Plant Steam Piping/Pmp	80%			2029	\$112,500	4	\$500	
Terminal Devices								
Convactor/Radiator	90%			2034	**	1	\$2,500	
Unit Heater - Steam	10%			2034	**	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2037	**	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 4 Split Units / 410 A Refrigerant</i>								
Split Unit	30%			2034	**			
Window/Wall Unit	20%			2024	\$3,500	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2	\$4,200	
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,700	
Exhaust Fans								
Roof	50%			2029	\$6,900	2	\$100	
Wall Unit	50%			2029	\$1,500	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	100%			2027	\$5,100	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75-gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 290/LADDER CO. 103**  
**Asset # : 13176**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2022	\$300	4	\$300
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2029	\$100	1	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Chemical System							
	Wet	2%			2027	\$500	1-3	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Serves Cooking Area</i>						
	No Component	98%						

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

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 26-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 2646 **Lot** : 18 **BIN** : 4440960

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$415,300	
Interior Architecture	\$335,000	
Mechanical	\$122,700	\$61,200
<b>Total</b>	<b>\$872,900</b>	<b>\$61,200</b>
Importance Code A	\$468,500	
Importance Code B	\$341,800	\$61,200
Importance Code C	\$62,600	
<b>Total</b>	<b>\$872,900</b>	<b>\$61,200</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$43,900			
Interior Architecture	\$84,300			\$300
Electrical	\$1,500		\$30,200	
Mechanical	\$31,500	\$1,200	\$13,200	\$1,200
<b>Total</b>	<b>\$161,200</b>	<b>\$1,200</b>	<b>\$43,300</b>	<b>\$1,600</b>
Importance Code A	\$43,900	\$900	\$900	\$900
Importance Code B	\$101,400	\$400	\$42,500	\$700
Importance Code C	\$15,900			
<b>Total</b>	<b>\$161,200</b>	<b>\$1,200</b>	<b>\$43,300</b>	<b>\$1,600</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**  
**ENGINE CO. 291/LADDER CO. 140**  
**Asset # : 13177**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	8%	Now	\$32,300	LIFE	**	5	\$17,500	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Facade</i>								
Copper/Terne	2%	Now	\$81,500	2077	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Copper Fascia, Metropolitan Avenue</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Copper Fascia</i>								
Masonry: Brick	80%	0-2	\$206,400	LIFE	**	5	\$22,300	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Elevation Lintels</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Elevation, 1st, 2nd And 3rd Floor</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Metropolitan Avenue And East Elevation</i>								
Masonry: Granite	5%	2-4	\$3,400	LIFE	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Door Jambs</i>								
Wood Overhead Doors	5%	0-2	\$2,300	2032	**	5	\$3,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Glass Window Panes</i>								
Windows								
Aluminum	100%	Now	\$6,000	2035	**	5	\$300	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Windows</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 3rd Floor Rear - Lower Sash Out Of Frame, One Unit</i>								
Parapets								
Cast Stone/Terra Cotta	30%			LIFE	**	5	\$2,400	
Masonry: Brick	70%			LIFE	**	5	\$700	
Roof								
Built-Up (BUR)	90%	Now	\$127,400	2037	**			1
<i>Alligatoring, Extent : Severe, Area Affected : 60%</i>								
<i>Location : 2nd And 3rd Floor Roof</i>								
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Multiple Locations, 2nd And 3rd Floor Roof</i>								
<i>Ponding, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd And 3rd Floor Roof Area</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout 2nd And 3rd Floor Roof</i>								
Modified Bitumen	10%			2035	**	10	\$1,000	

## Interior

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 291/LADDER CO. 140**  
**Asset # : 13177**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	45%	0-2	\$61,400	LIFE	**	5	\$12,700	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus</i>								
<i>Explanation : Steel Columns Shoring Up Apparatus Room Floor From Basement Repair/ Replacemnt Required</i>								
Ceramic Tile	8%	0-2	\$1,000	2036	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Quarry Tile	5%			2040	**	5	\$1,000	
Terrazzo	4%	Now	\$24,400	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Stair Landing</i>								
Vinyl Tile	20%	Now	\$22,300	2037	**	3	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout 2nd Floor</i>								
Wood	18%	Now	\$77,900	2067	**	5	\$2,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Exposed Fibrous Substrate</i>								
Interior Walls								
Ceramic Tile	30%	Now	\$5,500	2030	**	5	\$1,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Historic Tiles In Need Of Restoration, Cleaning</i>								
Masonry: Brick	30%	Now	\$62,600	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Hose Tower</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout Basement, Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Rear Cellar</i>								
Plaster	40%	Now	\$10,300	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : below Hose Tower</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 33%</i>								
<i>Location : East Wall</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 70%</i>								
<i>Location : 2nd Floor Rear Wall</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : East Stair Wall All Floors, Kitchen, 2nd Floor Windows</i>								

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

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 291/LADDER CO. 140**  
**Asset # : 13177**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	45%	0-2	\$20,200	2040	**	5	\$2,400	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	25%	0-2	\$89,300	LIFE	**	5	\$400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Ceiling Is Temporarily Shored With Steel Columns To Support Truck Loads</i>								
Plaster	30%	Now	\$43,700	LIFE	**	5	\$2,000	
<i>Paint Peeling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Hose Tower, 2nd Floor Locker Room And 2nd Floor Bathroom</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Washer/ Dryer Area, 3rd Floor Gymnasium</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Stair To 3rd Floor, Hose Tower And 2nd Floor Locker Room</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2047	**			
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2040	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2040	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2037	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								
<b>Raceway</b>								
Conduit	100%			2037	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2035	**	5	\$200	
<b>Wiring</b>								
Thermoplastic	100%			2037	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 291/LADDER CO. 140**  
**Asset # : 13177**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Motor Controllers For 2 Overhead Doors</i>								
<b>Ground</b>								
Grounding Devices								
Not Accessible	100%							
<b>Lighting</b>								
Interior Lighting								
Fluorescent	95%			2022	\$22,600	10	\$7,500	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2027	\$2,800	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Incandescent Lamps In Use</i>								
Exterior Lighting								
HID	100%			2027	\$33,100	10		
<b>Alarm</b>								
Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%	Now	\$1,400	2027	\$4,500	1-3	\$200	
<i>Devices Missing, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source								
Natural Gas	20%			2047	**	1		
Natural Gas	80%	Now	\$800	2057	**	1		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : All Piping Extremely Corroded From Apparatus Floor Leak.</i>								
Conversion Equipment								
Steam Boiler	100%	Now	\$53,200	2047	**	1	\$7,700	
<i>Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Damaged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 291/LADDER CO. 140**

**Asset # : 13177**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution								
Central Plant Steam Piping/Pmp	100%	Now	\$69,500	2037	**	4	\$400	
<i>Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Piping Around Boiler</i>								
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$2,800	
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	70%			2022	\$12,000	1		
No Component	30%							
Ventilation								
Exhaust Fans								
Wall Unit	100%			2027	\$2,900	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2027	\$61,200	1		
Water Heater								
Gas Fired	100%			2026	\$5,000	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit - Recent Install</i>								
Sanitary Piping								
Cast Iron	50%			LIFE	**	1		
Cast Iron	50%	0-2	\$30,100	LIFE	**	1		
<i>Corroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Cellar</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$300	4	\$300	
Backflow Preventer								
No Component	95%							
Generic	5%			2032	**	1		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : Boiler Feed</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	5%			2025	\$1,300	1-3	\$200	
No Component	95%							

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

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

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 05-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 2325 **Lot** : 37 **BIN** : 4053652

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$68,300	
<b>Total</b>	<b>\$68,300</b>	
Importance Code A	\$68,300	
<b>Total</b>	<b>\$68,300</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$32,400		\$11,700	
Interior Architecture	\$18,900	\$100	\$1,100	
Electrical	\$17,300		\$3,200	
Mechanical	\$8,600	\$1,200	\$1,000	\$1,100
<b>Total</b>	<b>\$77,300</b>	<b>\$1,300</b>	<b>\$17,100</b>	<b>\$1,100</b>
Importance Code A	\$35,700	\$800	\$12,500	\$800
Importance Code B	\$33,800	\$600	\$4,600	\$400
Importance Code C	\$7,800			
<b>Total</b>	<b>\$77,300</b>	<b>\$1,300</b>	<b>\$17,100</b>	<b>\$1,100</b>



*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. 292/RESCUE CO. 4**  
**Asset # : 13178**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2037	**	10	\$400	
Masonry: Brick	78%	Now	\$68,300	LIFE	**	5	\$22,200	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Side Elevations</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout, Except Front Facade</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Sides And Rear</i>								
Masonry: Granite	2%			LIFE	**	5	\$400	
Masonry: Limestone	5%			LIFE	**	5	\$1,100	
Metal Sect. OHD	10%			2032	**	5	\$8,900	
Windows								
Aluminum	100%	Now	\$26,700	2052	**	5	\$1,600	
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Weather Strip Missing, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Seals/ Gaskets At Windows Broken</i>								
Parapets								
Cast Stone/Terra Cotta	25%			LIFE	**	5	\$5,300	
Masonry: Brick	75%			LIFE	**	5	\$2,100	
Roof								
Modified Bitumen	80%			2032	**	10	\$7,300	
Roll Roofing	15%	Now	\$5,800	2029	\$5,800	5	\$1,100	
<i>Split/Cracked, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Leaks Evident To 3rd Floor</i>								
Skylight, Metal/Glass	5%			2047	**	10	\$1,500	
Interior								
Floors								
Cast in Place Concrete	80%			LIFE	**	5	\$22,200	
Ceramic Tile	10%			2030	**	5	\$1,300	
Quarry Tile	5%			2032	**	5	\$1,000	
Vinyl Tile	5%			2027	\$5,500	3	\$200	
Interior Walls								
Ceramic Tile	10%			2030	**	5	\$1,700	
Gypsum Board	30%			LIFE	**	5	\$3,100	
Masonry: Brick	20%	Now	\$7,000	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement At Front And East Wall</i>								
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. 292/RESCUE CO. 4**  
**Asset # : 13178**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2032	**	5	\$1,300	
Exposed Concrete	25%	Now	\$10,400	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Gypsum Board	10%			LIFE	**	5	\$1,600	
Plaster	55%			LIFE	**	5	\$4,400	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2037	**			
<b>Site Pavements</b>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2040	**			
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%	2-4	\$2,500	2037	**	5		
<i>Enclosure Corroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Front</i>								
<i>Explanation : 200 Amp</i>								
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Molded Case Bkrs	100%			2035	**	5	\$200	
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room And 1st Floor</i>								
<i>Explanation : Controls For Heating System And 2 Overhead Doors</i>								
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$100	
<b>Lighting</b>								

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. 292/RESCUE CO. 4**  
**Asset # : 13178**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	45%			2032	**	10	\$3,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Incandescent	5%			2027	\$2,500	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Television Room</i>								
<i>Explanation : Incandescent Lamps Observed</i>								
LED	50%			2032	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor And Gymnasium</i>								
<b>Egress Lighting</b>								
Exit, Service	50%			2027	\$400	1		
No Component	50%							
<b>Exterior Lighting</b>								
HID	100%	4+	\$14,800	2027	\$29,500			
<i>Sensor/Timer Malfunction, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<b>Alarm</b>								
Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%			2027	\$4,000	1-3	\$200	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2047	**	1		
Conversion Equipment Steam Boiler	100%			2040	**	1	\$7,600	
Distribution Central Plant Steam Piping/Pmp	100%			2053	**	4	\$600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Terminal Devices Convactor/Radiator	100%			2040	**	1	\$2,500	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2043	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 292/RESCUE CO. 4**  
**Asset # : 13178**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>	
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Air Conditioning</b>									
Conversion Equipment									
	Split Unit	30%			2035	**			
<i>Recent Installation, Extent : Light, Area Affected : 20%</i>									
<i>Location : 3rd Floor</i>									
	Window/Wall Unit	50%			2020	\$7,600	1		
	No Component	20%							
<b>Ventilation</b>									
Exhaust Fans									
	Wall Unit	20%			2027	\$500	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : 1st Floor</i>									
<i>Explanation : Wall Fan For Apparatus Floor</i>									
	No Component	80%							
<b>Plumbing</b>									
H/C Water Piping									
	Brass/Copper	100%			2037	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
Water Heater									
	Gas Fired	100%			2025	\$4,500	2	\$100	
<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	\$1,100	4	\$200	
Backflow Preventer									
	No Component	95%							
	Generic	5%			2035	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : Serves Boiler Only</i>									
<b>Fixtures</b>									
	Generic	100%							

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 293  
**Address** : 89-40 87th STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.293 / 13179 **Yr Built/Renovated** : 1915 / 2006  
**Area Sq Ft** : 4,225 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 05-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 8968 **Lot** : 25 **BIN** : 4185536

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$164,500	\$90,400
Electrical		\$39,400
<b>Total</b>	<b>\$164,500</b>	<b>\$129,700</b>
Importance Code A	\$164,500	\$90,400
Importance Code B		\$39,400
<b>Total</b>	<b>\$164,500</b>	<b>\$129,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$58,900		\$7,600	
Interior Architecture	\$77,200	\$1,800		\$300
Electrical	\$11,100	\$100	\$22,000	
Mechanical	\$6,300	\$700	\$6,200	\$600
Site Enclosure				
<b>Total</b>	<b>\$153,500</b>	<b>\$2,500</b>	<b>\$35,900</b>	<b>\$900</b>
Importance Code A	\$64,300	\$400	\$8,100	\$400
Importance Code B	\$66,700	\$500	\$27,800	\$500
Importance Code C	\$22,500	\$1,600		
<b>Total</b>	<b>\$153,500</b>	<b>\$2,500</b>	<b>\$35,900</b>	<b>\$900</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**  
**ENGINE CO. 293**  
**Asset # : 13179**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$128,300	LIFE	**	5	\$13,900	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : West Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Facade</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 30%</i>								
<i>Location : West And South Facades</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : North And East Facades</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 65%</i>								
<i>Location : East And North Facades</i>								
<i>Explanation : Safety Net Installed</i>								
Masonry: Limestone	10%	Now	\$22,100	LIFE	**	5	\$1,500	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : East Facade</i>								
Metal Panel	5%	Now	\$2,200	2037	**	5	\$1,900	1
<i>Deformed/Dented, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Hose Tower</i>								
<i>Seams Open/Split, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Hose Tower</i>								
Wood Overhead Doors	15%			2032	**	5	\$14,900	
Windows								
Aluminum	100%			2035	**	5	\$1,100	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 293**  
**Asset # : 13179**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Parapets								
Cast Stone/Terra Cotta	5%	Now	\$1,300	LIFE	**	5	\$800	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Coping</i>								
<i>Open Joints, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Coping</i>								
Masonry: Brick	25%	Now	\$5,900	LIFE	**	5	\$500	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Interior Face</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Interior Face</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Interior Face</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Interior Face</i>								
<i>Explanation : Stucco On Brick, Stucco Has Completely Peeled Away From Brick</i>								
Masonry: Brick	60%	Now	\$21,400	LIFE	**	5	\$1,200	1
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 50%</i>								
<i>Location : West And South Facades</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : North And East Facades</i>								
<i>Explanation : Safety Net Installed</i>								
Masonry: Limestone	5%	4+	\$5,400	LIFE	**	5	\$100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Mian Roof</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Main Roof</i>								
Metal Panel	5%			2047	**	5	\$400	
Roof								
Modified Bitumen	100%	Now	\$36,100	2027	\$90,400			1
<i>Alligatoring, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Lower Roof</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Various Locations Along Parapet</i>								

Interior

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 293**  
**Asset # : 13179**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$33,600	LIFE	**	5	\$6,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : Apparatus Room Floor Is Shored Up By Several Steel I Beams And Lally Columns</i>								
Ceramic Tile	5%			2036	**	5	\$300	
Quarry Tile	5%			2040	**	5	\$500	
Vinyl Tile	40%	4+	\$400	2027	\$21,900	3	\$900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Locker Area</i>								
Interior Walls								
Ceramic Tile	30%			2036	**	5	\$3,300	
Masonry: Brick	25%	Now	\$21,600	LIFE	**			
<i>Spalling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	35%			LIFE	**	5	\$1,100	
Plaster	10%	Now	\$900	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Second Floor Locker Room And Office</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Second Floor Locker Room And Office</i>								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$500	2032	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bathroom And Kitchen</i>								
Embossed Metal	60%	Now	\$19,900	LIFE	**	5	\$1,700	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor And Second Floor</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor And Second Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Office Over Windows</i>								
Exposed Concrete	30%			LIFE	**	5	\$300	
Site Enclosure								
Fence/Gates								
Chain Link	60%			2047	**			
Wood	40%			2025	\$7,400			

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 293**  
**Asset # : 13179**

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

## Site Pavements

## On-Site Walkways

Cast in Place Concrete	100%			2040	**			
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## Parking/Driveway

Cast in Place Concrete	100%			2032	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Molded Case Bkrs	100%	0-2	\$4,900	2057	**	5	\$100	
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*Suspect Water Damage, Extent : Moderate, Area Affected : 100%*

*Location : Basement*

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

*Location : Basement*

*Explanation : Main Service Switch Rated At 400 Amperes*

## Raceway

Conduit	90%			2027	\$28,800	1		
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Conduit	10%			2037	**	1		
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## Panelboards

Molded Case Bkrs	100%			2026	\$39,400	5	\$100	
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## Wiring

Thermoplastic	50%			2027	\$14,200	1		
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Thermoplastic	50%			2037	**	1		
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## Motor Controllers

Locally Mounted	100%			2025	\$14,700	5		
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## Ground

## Grounding Devices

Generic	100%	0-2	\$1,000	LIFE	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Basement*

*Explanation : Ground Wire Connection To Water Pipe Is 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. 293**  
**Asset # : 13179**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	75%			2022	\$8,800	10	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-12 Lamps</i>								
Fluorescent	5%			2022	\$600	10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	15%	Now	\$1,800	2037		**		
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : First And Second Floor</i>								
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : First And Second Floor</i>								
Incandescent	5%			2022	\$1,400	2		
<b>Exterior Lighting</b>								
Fluorescent	20%	Now	\$2,800	2037		**		
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Back Patio</i>								
HID	50%			2022	\$8,100	10		
HID	30%			2027	\$4,900	10		
<b>Alarm</b>								
<b>Fire/Smoke Detection</b>								
No Component	95%							
Generic, Digital	5%	Now	\$700	2032		**	1-3	\$100
<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%	0-2	\$100	2047		**	1	
<i>Corroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
Conversion Equipment Steam Boiler	100%			2040		**	1	\$4,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 293**  
**Asset # : 13179**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Distribution								
	Central Plant Steam Piping/Pmp	100%			2037	**	4	\$300
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Insulation And No Dielectric Fittings</i>								
Terminal Devices								
	Convactor/Radiator	90%			2032	**	1	\$1,200
	Unit Heater - Steam	10%			2022	\$1,400	4	
Air Conditioning								
Energy Source								
	Electricity	100%			2035	**	1	
Conversion Equipment								
	Window/Wall Unit	50%			2022	\$4,200	1	
	No Component	50%						
Ventilation								
Exhaust Fans								
	Interior	10%	Now	\$1,400	2037	**	2	
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
	Roof	10%	Now	\$700	2037	**	2	
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen Hood</i>								
	No Component	80%						
Plumbing								
H/C Water Piping								
	Brass/Copper	90%			2037	**	1	
<i>Antiquated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Service From Street</i>								
	Brass/Copper	10%	Now	\$1,500	2037	**	1	
<i>Not in Service, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Womens Bathroom</i>								
Water Heater								
	Gas Fired	100%			2025	\$2,500	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : (1) 75 Gallon Unit</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%	0-2	\$1,700	LIFE	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 293**  
**Asset # : 13179**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	Sump Pump(s) Non-Submersible	100%	Now	\$400	2037	**	4	\$100
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Flooding Condition</i>								
Fixtures								
	Generic	100%						
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								

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

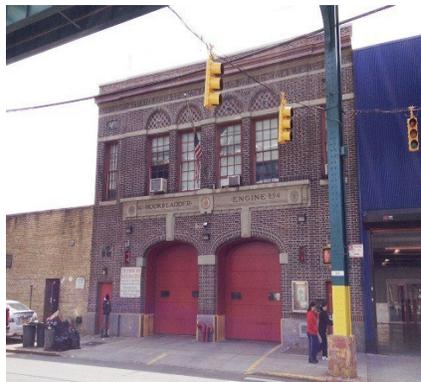
Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 26-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 9286 **Lot** : 6 **BIN** : 4194106

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$41,700	
Interior Architecture	\$168,200	\$36,300
<b>Total</b>	<b>\$209,900</b>	<b>\$36,300</b>
Importance Code A	\$41,700	
Importance Code B	\$123,500	\$36,300
Importance Code C	\$44,700	
<b>Total</b>	<b>\$209,900</b>	<b>\$36,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$48,500		\$4,100	
Interior Architecture	\$59,500	\$3,900		\$500
Electrical	\$19,500		\$6,800	\$100
Mechanical	\$13,000	\$1,000	\$15,100	\$1,100
<b>Total</b>	<b>\$140,500</b>	<b>\$4,900</b>	<b>\$26,000</b>	<b>\$1,700</b>
Importance Code A	\$51,700	\$700	\$4,800	\$700
Importance Code B	\$66,800	\$300	\$21,200	\$1,000
Importance Code C	\$22,100	\$3,900		
<b>Total</b>	<b>\$140,500</b>	<b>\$4,900</b>	<b>\$26,000</b>	<b>\$1,700</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**  
**ENGINE CO. 294/LADDER CO. 143**  
**Asset # : 13180**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	35%	2-4	\$28,600	LIFE	**	5	\$9,300	
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : East Side Yard</i>								
Masonry: Brick	45%			LIFE	**	5	\$11,900	
Masonry: Granite	5%			LIFE	**	5	\$1,000	
Masonry: Limestone	5%			LIFE	**	5	\$1,000	
Metal Sect. OHD	10%			2032	**	5	\$8,300	
Windows								
Aluminum	85%	0-2	\$15,400	2035	**	5	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Trwt/Balnc Not Funct, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : East Elevation</i>								
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Missing And/ Or Broken Insect Screens</i>								
Wood	15%	Now	\$1,800	2052	**	5	\$1,600	
<i>Trwt/Balnc Not Funct, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor North</i>								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$3,100	
Masonry: Brick	85%	2-4	\$2,700	LIFE	**	5	\$2,300	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parapet Near Roof Hatch</i>								
Roof								
Built-Up (BUR)	100%	0-2	\$41,700	2032	**			
<i>Blisters, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Pitch Pockets At Roof Failed</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. 294/LADDER CO. 143**  
**Asset # : 13180**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	43%	Now	\$28,600	LIFE	**	5	\$9,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Cellar</i>								
<i>Ponding, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout Cellar</i>								
<i>Uneven Substrate, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Apparatus Floor Temporarily Supported With Columns To Support Trucks, Permanent Repair Is Required</i>								
Ceramic Tile	10%	0-2	\$1,000	2030	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen And Marble Saddle To Kitchen</i>								
Quarry Tile	5%			2040	**	5	\$800	
Vinyl Tile	40%	2-4	\$3,600	2027	\$36,300	3	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor At Multiple Locations</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								
Wood	2%	Now	\$400	2067	**	5	\$200	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Stair Treads To Basement Are Wood</i>								
<i>Explanation : Replace With Non-slip Steel Per Original</i>								
Interior Walls								
Ceramic Tile	35%			2036	**	5	\$7,900	
Masonry: Brick	25%	0-2	\$44,700	LIFE	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Cellar Street Front</i>								
Plaster	40%	Now	\$22,100	LIFE	**	5	\$2,700	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Several Locations On The 2nd Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Cellar Stairs</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 2nd Floor Gymnasium, Locker Room, Office And 2nd Floor Stairs</i>								

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

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 294/LADDER CO. 143**  
**Asset # : 13180**

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

## Interior

## Ceilings

AcousTileSusp.Lay-In	40%	0-2	\$3,400	2040	**	5	\$2,100	
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*Worn/Eroded, Extent : Moderate, Area Affected : 75%*  
*Location : Kitchen*

Exposed Concrete	60%	0-2	\$123,500	LIFE	**	5	\$1,000	
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*Loose/Delam Surface, Extent : Moderate, Area Affected : 25%*  
*Location : Throughout Cellar*

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

*Location : Cellar Below Apparatus Floor*

*Explanation : Temporarily Shored By Steel Columns For Support, Future Repair/Replacement Is Required*

## Site Pavements

## Parking/Driveway

Cast in Place Concrete	100%			2040	**			
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<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Under 600 Volts

## Service Equipment

Molded Case Bkrs	100%	4+	\$2,500	2037	**	5	\$100	
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*Enclosure Corroded, Extent : Moderate, Area Affected : 100%*  
*Location : Basement*

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

*Location : Basement*

*Explanation : Rating Not Visible*

## Raceway

Conduit	100%			2027	\$32,000	1		
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## Panelboards

Molded Case Bkrs	100%	4+	\$3,900	2035	**	5	\$100	
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*Enclosure Corroded, Extent : Moderate, Area Affected : 100%*

*Location : Basement And 1st Floor*

## Wiring

Braided Cloth	20%	4+	\$5,700	2052	**	1		
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*Insulation Aged, Extent : Moderate, Area Affected : 100%*

*Location : Throughout*

Thermoplastic	80%			2037	**	1		
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## Motor Controllers

Locally Mounted	100%			2032	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : 1st Floor*

*Explanation : Motor Controllers For 2 Overhead Doors*

## Ground

## Grounding Devices

Not Accessible	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. 294/LADDER CO. 143**  
**Asset # : 13180**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	90%			2027	\$17,400	10	\$5,800	
<i>Motion Sensors in Use, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	10%			2022	\$4,600	2		
<b>Egress Lighting</b>								
Emergency, Service	30%			2027	\$1,100	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Service Type Emergency Light Observed</i>								
Exit, Service	40%	Now	\$200	2027	\$300	1		
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
No Component	30%							
<b>Exterior Lighting</b>								
HID	100%	4+	\$5,400	2027	\$26,900			
<i>Outdr Lights On During Daytime, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Red Lights On Front Facade</i>								
<b>Alarm</b>								
<b>Security System</b>								
No Component	90%							
Generic	10%			2022	\$2,200	1	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Camera Observed</i>								
<b>Fire/Smoke Detection</b>								
No Component	95%							
Generic, Analog	5%	Now	\$1,800	2027	\$3,700	1-3	\$200	
<i>Devices Missing, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 65%</i>								
<i>Location : Basement And 2nd Floor</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	40%			2053	**	1		
Natural Gas	60%	0-2	\$500	2057	**	1		
<i>Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar Mechanical Room</i>								
<b>Conversion Equipment</b>								
Steam Boiler	100%			2040	**	1	\$6,900	

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 294/LADDER CO. 143**  
**Asset # : 13180**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Central Plant Steam Piping/Pmp	90%			2047	**	4	\$300	
Central Plant Steam Piping/Pmp	10%	0-2	\$11,300	2057	**	4		
<i>Corroded, Extent : Severe, Area Affected : 100%</i> <i>Location : Cellar Mechanical Room</i>								
Terminal Devices								
Convactor/Radiator	95%			2040	**	1	\$2,100	
Unit Heater - Steam	5%			2032	**	4		
<i>Other Observation, Extent : Light, Area Affected : 5%</i> <i>Location : Apparatus Floor</i> <i>Explanation : 1 Unit Heater</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2022	\$13,900	1		
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$1,600	
No Component	60%							
Exhaust Fans								
Interior	60%			2027	\$14,200	2	\$100	
Roof	40%			2032	**	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Gas Fired	100%			2025	\$4,100	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Cellar Mechanical Room</i> <i>Explanation : Two 75 Gallon Heaters</i>								
Sanitary Piping								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%			LIFE	**	1		
<i>Recent Replace Evident, Extent : Light, Area Affected : 40%</i> <i>Location : Cellar</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i> <i>Location : Apparatus Floor</i> <i>Explanation : Firefighters Reported Periodic Stoppage Of Floor Drains</i>								
Sump Pump(s)								
Submersible	100%			2020	\$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. 294/LADDER CO. 143**  
**Asset # : 13180**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2032	**	1	
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	5%			2025	\$1,300	1-3	\$200
	No Component	95%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 295/LADDER CO. 144  
**Address** : 12-49 149th STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.295 / 13181 **Yr Built/Renovated** : 1913 /  
**Area Sq Ft** : 7,626 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 11-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 4505 **Lot** : 7 **BIN** : 4102462

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$184,200	\$100,500
Interior Architecture	\$196,500	
Electrical		\$57,700
<b>Total</b>	<b>\$380,800</b>	<b>\$158,200</b>
Importance Code A	\$184,200	\$100,500
Importance Code B	\$63,000	\$57,700
Importance Code C	\$133,500	
<b>Total</b>	<b>\$380,800</b>	<b>\$158,200</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$34,500	\$1,400	\$10,500	\$5,300
Interior Architecture	\$71,800			\$4,600
Electrical	\$9,800			
Mechanical	\$2,100	\$1,600	\$9,200	\$1,500
Site Enclosure	\$6,800			
Site Pavements	\$14,700			
<b>Total</b>	<b>\$139,700</b>	<b>\$3,000</b>	<b>\$19,700</b>	<b>\$11,400</b>
Importance Code A	\$35,300	\$2,200	\$11,200	\$6,000
Importance Code B	\$74,800	\$900	\$8,400	\$1,700
Importance Code C	\$29,600			\$3,700
<b>Total</b>	<b>\$139,700</b>	<b>\$3,000</b>	<b>\$19,700</b>	<b>\$11,400</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**  
**ENGINE CO. 295/LADDER CO. 144**  
**Asset # : 13181**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Copper/Terne	3%	Now	\$6,700	2064	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Cornice</i>								
Masonry: Brick	70%	Now	\$65,800	LIFE	**	5	\$21,400	1
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Facade</i>								
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Rear Wall</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Left, Right And Rear Facades</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 3rd Floor Rear Wall And Side Elevations Near Corners</i>								
Masonry: Granite	5%	4+	\$9,200	LIFE	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Front Facade, Left Side</i>								
Masonry: Limestone	10%			LIFE	**	5	\$4,600	
Wood Overhead Doors	12%	Now	\$118,400	2049	**	5	\$9,200	
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Apparatus Bay Doors</i>								
Windows								
Aluminum	95%			2051	**	5	\$2,800	
Aluminum	5%	0-2	\$6,300	2054	**	5	\$100	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Steel Lintels At Rear 3rd Floor</i>								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	**	5-10	\$10,900	
Copper/Terne	85%			2073	**	5	\$10,600	
Roof								
Modified Bitumen	73%			2029	\$100,500	10	\$7,300	
Roll Roofing	25%			2022	\$10,500	5	\$4,100	
Skylight, Metal/Glass	2%			2039	**	10	\$700	

Interior

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 295/LADDER CO. 144**  
**Asset # : 13181**

Architecture		Current Repair		Future Replacement		Maintenance		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%	4+	\$27,200	LIFE	**	5	\$14,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Explanation : Temporary Steel Beams And Columns Shoring Up Apparatus Room Floor From Basement</i>								
Ceramic Tile	5%			2038	**	5	\$600	
Marble Panels	2%	4+	\$900	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Stairs</i>								
Quarry Tile	5%	4+	\$900	2042	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Kitchen Area</i>								
Steel Plate	2%	Now	\$7,200	LIFE	**	1		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair To Basement, Several Loose Treads</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Stair To Basement</i>								
Vinyl Tile	36%	Now	\$12,000	2037	**	3	\$1,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 9 X 9 Tiles</i>								
Interior Walls								
Cast in Place Concrete	25%	Now	\$133,500	LIFE	**			
<i>Spalling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Ceramic Tile	45%			2038	**	5	\$7,400	
Plaster	30%	Now	\$8,100	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement Stairs</i>								
<i>Deteriorated Finish, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement Stairs, Locker Room And Lounge On 3rd Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement Stairs</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 295/LADDER CO. 144**  
**Asset # : 13181**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%	Now	\$2,100	2046	**	5	\$600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Dormitory</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Dormitory</i>								
Exposed Concrete	15%	Now	\$63,000	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Explanation : Lolly Columns Are Rusting</i>								
Gypsum Board	5%			LIFE	**	5-10	\$2,200	
Plaster	70%	Now	\$12,000	LIFE	**	5	\$5,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Locker Room, Bunker Room And At Window Perimeters</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor And Roof Hatch</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	50%	0-2	\$6,800	2055	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Right Side Of Property</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Right Side Of Property</i>								
Chain Link	50%			2055	**			
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%	0-2	\$12,400	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Right Side</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Right Side</i>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%	2-4	\$2,300	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Left Side Driveway</i>								

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

Under 600 Volts

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 295/LADDER CO. 144**  
**Asset # : 13181**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2029	\$4,900	5		
<i>Enclosure Corroded, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
<i>Enclosure Corroded, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Raceway								
Conduit	25%			2029	\$8,000	1		
Conduit	75%			2039	**	1		
Panelboards								
Molded Case Bkrs	35%			2037	**	5	\$100	
Molded Case Bkrs	45%			2045	**	5	\$100	
Molded Case Bkrs	20%			2028	\$7,900	5		
<i>Enclosure Corroded, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Wiring								
Thermoplastic	100%			2039	**	1		
<b>Ground</b>								
Grounding Devices								
Generic	100%	0-2	\$9,700	LIFE	**	5	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<b>Lighting</b>								
Interior Lighting								
LED	100%			2037	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : LED Lights</i>								
Exterior Lighting								
HID	20%			2024	\$5,900	10		
LED	10%			2037	**			
No Component	70%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$7,600	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 295/LADDER CO. 144**

**Asset # : 13181**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
Distribution								
	Central Plant Steam Piping/Pmp	100%			2039	**	4	\$400
Terminal Devices								
	Convactor/Radiator	100%			2034	**	1	\$2,500
<b>Air Conditioning</b>								
Energy Source								
	Electricity	100%			2045	**	1	
Conversion Equipment								
	Window/Wall Unit	50%			2022	\$7,600	1	
	No Component	50%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	5%			LIFE	**	2-5	\$300
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 1st Floor</i>				
				<i>Explanation : Kitchen Exhaust</i>				
	No Component	95%						
Exhaust Fans								
	Roof	5%			2029	\$600	2	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Roof</i>				
				<i>Explanation : Kitchen Exhaust</i>				
	Wall Unit	10%			2024	\$300	2	
	No Component	85%						
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	10%			2049	**	1	
	Galvanized Steel	90%	Now	\$600	2034	**	1	
				<i>Corroded, Extent : Severe, Area Affected : 10%</i>				
				<i>Location : Some Equipment Around Meter</i>				
Water Heater								
	Gas Fired	100%			2027	\$4,400	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 Units / 74 Gallons</i>				
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2022	\$200	4	\$200

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 295/LADDER CO. 144**

**Asset # : 13181**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2037	**	1	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler</i>						
<hr/>								
	Fixtures							
	Generic	100%						
<hr/>								
<b>Fire Suppression</b>								
	Chemical System							
	Generic	100%			2027	\$26,700	1-3	\$3,700

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 297/LADDER CO. 130  
**Address** : 119-11 14th ROAD  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.297 / 13183 **Yr Built/Renovated** : 1931 / 2012  
**Area Sq Ft** : 5,676 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 11-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 4054 **Lot** : 17 **BIN** : 4098032

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$95,500	\$117,200
Electrical		\$49,900
<b>Total</b>	<b>\$95,500</b>	<b>\$167,100</b>
Importance Code A	\$95,500	\$117,200
Importance Code B		\$49,900
<b>Total</b>	<b>\$95,500</b>	<b>\$167,100</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$17,200	\$1,000		
Interior Architecture	\$53,700	\$200	\$2,300	\$200
Electrical	\$9,800		\$100	
Mechanical	\$800	\$800	\$900	\$900
Site Enclosure	\$1,000			
Site Pavements	\$4,600			
<b>Total</b>	<b>\$87,100</b>	<b>\$1,900</b>	<b>\$3,300</b>	<b>\$1,100</b>
Importance Code A	\$17,800	\$1,500	\$600	\$600
Importance Code B	\$56,400	\$400	\$900	\$600
Importance Code C	\$12,900		\$1,800	
<b>Total</b>	<b>\$87,100</b>	<b>\$1,900</b>	<b>\$3,300</b>	<b>\$1,100</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 297/LADDER CO. 130**  
**Asset # : 13183**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	83%	Now	\$95,500	LIFE	**	5	\$15,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Chimney</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	2%			LIFE	**	5	\$600	
Masonry: Limestone	5%			LIFE	**	5	\$1,400	
Wood Overhead Doors	10%			2034	**	5	\$9,300	
Windows								
Aluminum	100%			2051	**	5	\$1,900	
Parapets								
Masonry: Brick	85%			LIFE	**	5-10	\$15,500	
Masonry: Limestone	10%			LIFE	**	5-10	\$3,200	
Slate	5%			LIFE	**	5	\$300	
Roof								
Modified Bitumen	100%			2029		10	\$8,500	
Interior								
Floors								
Cast in Place Concrete	50%	0-2	\$14,600	LIFE	**	5	\$10,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Deflection Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Basement</i>								
<i>Explanation : Steel Beams And Columns Shoring Up Apparatus Room Floor From Basement Below</i>								
Ceramic Tile	5%			2038	**	5	\$500	
Vinyl Tile	45%			2034	**	3	\$1,500	
<i>Worn/Eroded, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Second Floor Throughout And Kitchen</i>								
Interior Walls								
Cast in Place Concrete	20%			LIFE	**	10	\$5,900	
Ceramic Tile	30%			2032	**	5	\$3,600	
Plaster	50%			LIFE	**	5-10	\$5,000	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 297/LADDER CO. 130**  
**Asset # : 13183**

<b>Architecture</b>		<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>		
<b>Interior</b>									
<b>Ceilings</b>									
AcousTileSusp.Lay-In	4%			2046	**	5	\$400		
AcousTileSusp.Lay-In	4%	Now	\$3,000	2049	**	5	\$200		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Offices</i>									
Exposed Concrete	22%	Now	\$19,900	LIFE	**	5	\$300		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Basement</i>									
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Basement</i>									
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Basement</i>									
Plaster	70%			LIFE	**	5-10	\$11,000		
<b>Site Enclosure</b>									
<b>Fence/Gates</b>									
Chain Link	100%			2039	**				
<b>Retaining Walls</b>									
Cast in Place Concrete	100%	Now	\$1,000	2073	**				
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>									
<i>Location : Throughout</i>									
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 30%</i>									
<i>Location : Throughout</i>									
<b>Site Pavements</b>									
<b>Public Sidewalk</b>									
Cast in Place Concrete	100%	4+	\$900	2042	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : 14th Road</i>									
<b>On-Site Walkways</b>									
Cast in Place Concrete	100%			2034	**				
<b>Parking/Driveway</b>									
Cast in Place Concrete	100%	Now	\$3,700	2046	**				
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Driveway</i>									
<i>Tripping Hazard, Extent : Severe, Area Affected : 70%</i>									
<i>Location : Driveway In Front Of Doors</i>									

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

Under 600 Volts

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 297/LADDER CO. 130**  
**Asset # : 13183**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2039	**	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								
Fused Disc Sw	100%			2029	\$49,900	5		
Raceway								
Conduit	50%			2039	**	1		
Conduit	50%			2029	\$16,000	1		
Panelboards								
Molded Case Bkrs	80%			2037	**	5	\$100	
Molded Case Bkrs	20%	2-4	\$7,900	2054	**	5		
<i>Enclosure Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Wiring								
Thermoplastic	100%			2039	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	20%			2029	\$3,100	10	\$1,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Fluorescent	35%			2024	\$5,500	10	\$1,800	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
LED	45%			2037	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor And Second Floor</i>								
<i>Explanation : LED Lights</i>								
Egress Lighting								
Emergency, Battery	50%			2037	**	10	\$700	
Exit, LED	50%			2064	**	1		
Exterior Lighting								
HID	30%			2029	\$6,600	10		
No Component	70%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		

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\*\* 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**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
	Conversion Equipment							
	Steam Boiler	100%			2042	**	1	\$5,600
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 Unit</i>					
<hr/>								
	Distribution							
	Central Plant Steam Piping/Pmp	100%			2039	**	4	\$300
<hr/>								
	Terminal Devices							
	Convactor/Radiator	100%			2034	**	1	\$1,800
<hr/>								
<b>Air Conditioning</b>								
	Energy Source							
	Electricity	100%			2037	**	1	
<hr/>								
	Conversion Equipment							
	Window/Wall Unit	50%			2024	\$5,700	1	
	No Component	50%						
<hr/>								
<b>Ventilation</b>								
	Exhaust Fans							
	Roof	10%			2029	\$900	2	
	Wall Unit	20%			2029	\$400	2	
	No Component	70%						
<hr/>								
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2039	**	1	
<hr/>								
	Water Heater							
	Gas Fired	100%			2027	\$3,300	2	\$100
<hr/>								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
<hr/>								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
<hr/>								
	Sump Pump(s)							
	Submersible	100%			2022	\$200	4	\$200
<hr/>								
	Fixtures							
	Generic	100%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 298/LADDER CO. 127 BATTALION 50  
**Address** : 153-11 HILLSIDE AVENUE  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.298 / 13184 **Yr Built/Renovated** : 1965 / 2007  
**Area Sq Ft** : 7,937 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 07-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 9706 **Lot** : 66 **BIN** : 4207481

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$200,500	\$160,800
Electrical		\$65,600
<b>Total</b>	<b>\$200,500</b>	<b>\$226,400</b>
Importance Code A	\$200,500	\$160,800
Importance Code B		\$65,600
<b>Total</b>	<b>\$200,500</b>	<b>\$226,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$20,500		\$28,500	
Interior Architecture	\$32,200		\$700	\$1,900
Electrical	\$11,200	\$600	\$600	\$2,100
Mechanical	\$14,500	\$1,200	\$1,900	\$1,500
Site Pavements	\$4,700			
<b>Total</b>	<b>\$83,200</b>	<b>\$1,800</b>	<b>\$31,700</b>	<b>\$5,500</b>
Importance Code A	\$20,900	\$400	\$28,900	\$400
Importance Code B	\$48,800	\$1,400	\$2,800	\$4,200
Importance Code C	\$13,500			\$900
<b>Total</b>	<b>\$83,200</b>	<b>\$1,800</b>	<b>\$31,700</b>	<b>\$5,500</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 298/LADDER CO. 127 BATTALION 50**  
**Asset # : 13184**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	0-2	\$20,500	LIFE	**	5	\$13,300	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Rusted Brick Relieving Angle</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Isolated At Multiple Locations Along The 4 Elevations</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Base Of Front Facade</i>								
Metal Panel	10%			2049	**	5-10	\$13,100	
Metal Sect. OHD	10%			2042	**	5	\$5,900	
Window Wall	10%			2049	**	5	\$7,100	
Windows								
Aluminum	100%	Now	\$120,100	2054	**	5	\$1,400	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Weather Strip Missing, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Windows Are Original, More Than 50 Years Old.</i>								
Parapets								
Metal Rail	100%			2042	**	5-10	\$42,100	
Roof								
Modified Bitumen	100%	Now	\$80,400	2029			\$160,800	
<i>Alligatoring, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Drains Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Side Of Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Offices</i>								
Soffits								
Cast in Place Concrete	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$27,700	
Ceramic Tile	7%			2038	**	5	\$900	
Quarry Tile	7%			2042	**	5	\$1,300	
Vinyl Tile	36%	Now	\$4,000	2034	**	3	\$1,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Captain Office And Several 2nd Floor Locations</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : House Watch</i>								

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 298/LADDER CO. 127 BATTALION 50**  
**Asset # : 13184**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	10%	0-2	\$2,300	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : South Basement Wall</i>								
Ceramic Tile	10%			2038	**	5	\$1,800	
Concrete Masonry Unit	15%			LIFE	**	5	\$2,200	
Gypsum Board	15%	Now	\$1,100	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Offices</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor Offices</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Offices</i>								
Plaster	20%	Now	\$1,500	LIFE	**	5	\$1,100	
<i>Water Penetration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Captain Office</i>								
SGFT/Glazed Masonry	30%			LIFE	**	10	\$2,700	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%	Now	\$500	2049	**	5	\$600	
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilet</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Toilet</i>								
Exposed Concrete	20%			LIFE	**	5-10	\$3,200	
Plaster	70%	2-4	\$2,400	LIFE	**	5	\$5,500	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Southeast 2nd Floor Office</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2049	**			
<b>Retaining Walls</b>								
Cast in Place Concrete	100%			2064	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%	0-2	\$4,700	2042	**			
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : At The Edge Of Sidewalk And Curb Cut</i>								

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 298/LADDER CO. 127 BATTALION 50**  
**Asset # : 13184**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
	Service Equipment							
	Fused Disc Sw	100%			2029	\$4,900	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Electrical Room Basement</i>					
			<i>Explanation : One 400 Ampere Main Disconnect Switch</i>					
	Switchgear / Switchboard							
	Molded Case Bkrs	100%			2029	\$49,900	5	\$200
	Raceway							
	Conduit	90%			2029	\$28,800	1	
	Conduit	10%			2049	**	1	
	Panelboards							
	Fused Disc Sw	5%			2028	\$2,000	5	
	Molded Case Bkrs	40%			2028	\$15,700	5	\$100
	Molded Case Bkrs	55%			2045	**	5	\$100
	Wiring							
	Braided Cloth	30%	2-4	\$8,500	2054	**	1	
			<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
	Thermoplastic	50%			2029	\$14,200	1	
	Thermoplastic	20%			2049	**	1	
	Motor Controllers							
	Locally Mounted	100%			2027	\$14,700	5	\$100
	<b>Ground</b>							
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$200
	<b>Stand-by Power</b>							
	Transfer Switches							
	Automatic	100%			2042	**	1	\$2,400
	Generators							
	Diesel	100%			2038	**	1	\$3,100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside The Building</i>					
			<i>Explanation : One 81 Kilo-volt-ampere</i>					
	Batteries							
	Lead/Acid	100%			2023	\$1,500	5	\$300
	Fuel Storage							
	Day Tank	50%			2045	**	5	\$700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Generator Room Outside</i>					
			<i>Explanation : One 60 Gallon</i>					
	Main Tank	50%			2032	**	5	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 550 Gallon Main Tank</i>					

**Lighting**

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 298/LADDER CO. 127 BATTALION 50**  
**Asset # : 13184**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	78%			2034	**	10	\$5,700	
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
Fluorescent	20%			2024	\$4,400	10	\$1,500	
	<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Garage 1st Floor And Basement</i>							
Incandescent	2%			2029	\$1,000	2		
<b>Egress Lighting</b>								
Emergency, Service	60%			2034	**	1		
Exit, Service	40%			2024	\$400	1		
<b>Exterior Lighting</b>								
HID	100%			2034	**	10		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Exterior Throughout</i>							
	<i>Explanation : High Pressure Sodium Bulbs</i>							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2055	**	1		
<b>Conversion Equipment</b>								
Hot Water Boiler	100%			2046	**	1	\$3,900	
<b>Distribution</b>								
Hot Wtr Piping/Pump	100%			2037	**	4	\$600	
<b>Terminal Devices</b>								
Convactor/Radiator	70%			2042	**	1	\$1,800	
Unit Heater - Steam	30%	0-2	\$1,600	2029	\$8,100	4	\$200	
	<i>Unit Inoperable, Extent : Severe, Area Affected : 30%</i>							
	<i>Location : First Floor Ceiling</i>							
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Engine Bay</i>							
	<i>Explanation : Unit Heaters Serve Engine Bay</i>							

<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2051	**	1		
<b>Conversion Equipment</b>								
Reciprocating Compr/Chiller	20%			2029	\$12,900	1	\$700	
Window/Wall Unit	55%			2024	\$8,700	1		
No Component	25%							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 298/LADDER CO. 127 BATTALION 50**  
**Asset # : 13184**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Serves Kitchen Air Conditioning Unit Only</i>								
No Component	80%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 80 Percent Of Air Conditioning Is From Window Units. No Ductwork</i>								
Terminal Devices								
Fan Coil - 2 Pipe	20%			2029	\$21,700	1	\$500	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,400	
No Component	80%							
Exhaust Fans								
Interior	25%			2029	\$6,700	2	\$100	
Interior	25%	0-2	\$6,700	2039	**	2		
<i>Malfunctioning, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Room, 1 Of 2 Defective Exhaust Fans</i>								
Roof	50%			2029	\$6,300	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Water Heater								
Electric	50%			2028	\$3,300	4		
Gas Fired	50%			2028	\$2,300	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Indirect Water Heater. Boiler Is Heat Source. Used As Back-Up To Solar Heating System.</i>								
Sanitary Piping								
Cast Iron	95%			LIFE	**	1		
Cast Iron	5%	Now	\$2,800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement. Sluggish House Traps</i>								
<i>Leak Evident, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Janitor Closet. Leaky Pipe Drain Causing Water Damage On Ceiling Below.</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 298/LADDER CO. 127 BATTALION 50**  
**Asset # : 13184**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Plumbing</b>								
Storm Drain Piping Cast Iron	100%	0-2	\$800	LIFE	**	1		
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Courtyard And Apparatus Floor</i>								
<i>Explanation : Firehouse Is At The Base Of Hill And Experiences Backups During Heavy Rains.</i>								
<hr/>								
Sump Pump(s) Submersible	100%			2022	\$300	4	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Dual Pumps</i>								
<hr/>								
<b>Fixtures</b>								
Generic	100%							
<hr/>								
<b>Fire Suppression</b>								
Chemical System Wet	100%			2024	\$26,700	1-3	\$4,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Over Range</i>								
<hr/>								

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 299/LADDER CO. 152  
**Address** : 61-20 UTOPIA PARKWAY  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.299 / 13185 **Yr Built/Renovated** : 1960 / 2006  
**Area Sq Ft** : 5,920 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 20-Apr-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 6891 **Lot** : 3 **BIN** : 4148798

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$220,300	
Electrical		\$79,400
Site Pavements	\$62,800	
<b>Total</b>	<b>\$283,100</b>	<b>\$79,400</b>
Importance Code A	\$220,300	
Importance Code B	\$62,800	\$79,400
<b>Total</b>	<b>\$283,100</b>	<b>\$79,400</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$67,600			
Interior Architecture	\$58,200		\$1,500	\$500
Electrical	\$11,400			\$100
Mechanical	\$6,200	\$800	\$27,500	\$1,100
Site Enclosure	\$4,800			
<b>Total</b>	<b>\$148,300</b>	<b>\$800</b>	<b>\$29,100</b>	<b>\$1,600</b>
Importance Code A	\$67,900	\$300	\$300	\$300
Importance Code B	\$45,200	\$500	\$28,100	\$1,300
Importance Code C	\$35,200		\$700	
<b>Total</b>	<b>\$148,300</b>	<b>\$800</b>	<b>\$29,100</b>	<b>\$1,600</b>



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. 299/LADDER CO. 152**  
**Asset # : 13185**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%	0-2	\$116,200	LIFE	**	5	\$18,900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout All Facades</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : High Water Table</i>								
Masonry: Limestone	5%			LIFE	**	5	\$1,600	
Metal Sect. OHD	5%	Now	\$33,400	2049	**	5	\$1,600	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Dented, Paint Peeling And Some Missing Hardware, Often Malfunctions</i>								
Windows								
Aluminum	100%	Now	\$104,100	2054	**	5	\$1,200	
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Window</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	90%	0-2	\$16,100	LIFE	**	5	\$2,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout Interior Face</i>								
Masonry: Limestone	10%	0-2	\$3,300	LIFE	**	5	\$400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Parapet Wall</i>								
Roof								
Modified Bitumen	100%	0-2	\$14,000	2034	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Roof</i>								
<i>Explanation : Air Pockets</i>								
Soffits								
Stucco Cement	100%			2042	**	5		
Interior								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 299/LADDER CO. 152**  
**Asset # : 13185**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	4+	\$1,000	LIFE	**	5	\$10,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2025	\$9,700	5	\$500	
Quarry Tile	5%			2027	\$14,400	5	\$700	
Vinyl Tile	40%	0-2	\$17,000	2034	**	3	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st And 2nd Floors</i>								
Interior Walls								
Cast in Place Concrete	15%	0-2	\$13,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
Ceramic Tile	10%			2032	**	5	\$1,300	
Gypsum Board	5%			LIFE	**	5-10	\$1,100	
Metal Panel	5%			LIFE	**	10	\$300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen, 2012</i>								
Plaster	40%			LIFE	**	5-10	\$4,600	
SGFT/Glazed Masonry	25%	0-2	\$13,300	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Garage Area</i>								
Ceilings								
AcousTileSusp.Lay-In	10%			2042	**	5	\$1,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : TV Room, Gymnasium</i>								
Plaster	90%			LIFE	**	5-10	\$15,100	
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	\$4,800	2049	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Gate</i>								
Retaining Walls								
Cast in Place Concrete	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$62,800	2049	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Of Building</i>								
On-Site Walkways								
Asphalt	100%			2038	**			

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. 299/LADDER CO. 152**  
**Asset # : 13185**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Molded Case Bkrs	100%			2029	\$4,900	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 400 Ampere Main Disconnect Switch</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
Raceway								
Conduit	95%			2029	\$30,400	1		
Conduit	5%			2049	**	1		
Panelboards								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	75%			2028	\$29,500	5	\$100	
Molded Case Bkrs	20%			2045	**	5		
Wiring								
Braided Cloth	40%	2-4	\$11,300	2054	**	1		
		<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Thermoplastic	20%			2049	**	1		
Thermoplastic	40%			2029	\$11,300	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	40%			2034	**	10	\$2,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						
		<i>Explanation : T-8 Lamps</i>						
LED	60%			2037	**			
Exterior Lighting								
Fluorescent	30%			2034	**	10	\$200	
		<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof Exit Door, Backyard Wall</i>						
LED	70%			2037	**			

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	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. 299/LADDER CO. 152**  
**Asset # : 13185**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Heating</b>								
Conversion Equipment Hot Water Boiler	100%			2034	**	1	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
<hr/>								
Distribution Hot Wtr Piping/Pump	100%	0-2	\$400	2037	**	4	\$300	
<i>Leak Evident, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Storage Room</i>								
<i>Not in Service, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Thermostats. Cold In Front Of 2nd Floor Office Area.</i>								
<hr/>								
Terminal Devices Convactor/Radiator	85%			2034	**	1	\$1,600	
<i>Damaged, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Convactor Covers, Various Locations</i>								
Unit Heater - Hot Water	15%			2029			\$3,200	
<hr/>								
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2037	**	1		
<hr/>								
Conversion Equipment Window/Wall Unit	50%	0-2	\$1,200	2024	\$5,900	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : The Units Are Down Constantly.</i>								
No Component	50%							
<hr/>								
<b>Ventilation</b>								
Distribution Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,600	
No Component	70%							
<hr/>								
Exhaust Fans Roof	30%			2029	\$2,800	2	\$100	
Wall Unit	20%			2029	\$400	2		
No Component	50%							
<hr/>								
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	100%			2039	**	1		
<hr/>								
Water Heater Gas Fired	50%			2027	\$1,700	2		
Gas Fired	50%			2024	\$1,700	2		
<hr/>								
Sanitary Piping Cast Iron	100%	0-2	\$2,100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Of Apparatus Floor</i>								
<hr/>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 299/LADDER CO. 152**  
**Asset # : 13185**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Plumbing								
Sump Pump(s) Non-Submersible	100%	Now	\$900	2039	**	4	\$100	
			<i>Corroded, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Housings Of The Units, Basement</i>					
			<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Both Units In Basement</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Units. Pump Running Constantly Due To Ground Water Or Other Source That Is Causing Flooding In Basement</i>					
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2022	\$26,700	1-3	\$4,000	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set</i>					

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

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

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 3/LADDER 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** : 30-Mar-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 794 **Lot** : 64 **BIN** : 1014723

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$275,900	
Electrical		\$27,500
<b>Total</b>	<b>\$275,900</b>	<b>\$27,500</b>
Importance Code A	\$275,900	
Importance Code B		\$27,500
<b>Total</b>	<b>\$275,900</b>	<b>\$27,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$23,900			
Interior Architecture	\$6,700	\$300		\$700
Electrical	\$18,400	\$2,900	\$8,800	\$1,300
Mechanical	\$8,100	\$700	\$19,600	\$1,100
<b>Total</b>	<b>\$57,200</b>	<b>\$3,900</b>	<b>\$28,400</b>	<b>\$3,100</b>
Importance Code A	\$24,400	\$400	\$500	\$400
Importance Code B	\$32,900	\$3,500	\$28,000	\$2,700
Importance Code C				
<b>Total</b>	<b>\$57,200</b>	<b>\$3,900</b>	<b>\$28,400</b>	<b>\$3,100</b>



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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. 3/LADDER 12/ BATTALION 7**  
**Asset # : 13002**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Glazed Ceramic Panel	30%	2-4	\$3,800	LIFE	**	5	\$26,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	60%	2-4	\$6,900	LIFE	**	5	\$11,300	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Chimney And Stair Bulkhead</i>								
Wood Overhead Doors	10%			2044	**	5	\$9,400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Replaced With Fiberglass Overhead Door</i>								
Windows								
Aluminum	100%	Now	\$73,000	2052	**	5	\$900	
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Thermally Inefficient</i>								
Parapets								
Glazed Ceramic Panel	10%	Now	\$2,800	2047	**	5	\$600	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Facade</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Of Building</i>								
Masonry: Brick	70%	2-4	\$3,600	LIFE	**	5	\$3,100	
<i>Vertical Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Of Building</i>								
Metal Rail	10%			2040	**	5-10	\$8,000	
Metal: Cage/Fence	10%			2040	**	5-10	\$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.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 3/LADDER 12/ BATTALION 7**  
**Asset # : 13002**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Built-Up (BUR)	100%	0-2	\$202,900	2037		**		
<i>Drains Clogged, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Lower Roof</i>								
<i>Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Cap Flashing Throughout</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stair Bulkhead, And Various Locations On Upper And Lower Roofs</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	35%			LIFE		**	5	\$8,800
Ceramic Tile	5%			2036		**	5	\$600
Quarry Tile	5%			2040		**	5	\$900
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Kitchen</i>								
Terrazzo	5%			LIFE		**	5	\$500
Vinyl Tile	5%	Now	\$100	2032		**	3	\$200
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : 1st Floor Office</i>								
Vinyl Tile 9" X 9"	45%	Now	\$5,800	2032		**	3	\$1,900
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Concrete Masonry Unit	20%			LIFE		**	5	\$1,200
Plaster	50%			LIFE		**	5	\$2,300
SGFT/Glazed Masonry	30%			LIFE		**		

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

Maintenance \$ are aggregated over a ten-year period. Site specific 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 12/ BATTALION 7**  
**Asset # : 13002**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%	Now	\$100	2040	**	5	\$300	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	85%			LIFE	**	5	\$1,500	
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor Bathroom, Bunk Rooms And Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : Stair Bulkhead And 2nd Floor Bunk Room</i>								
Plaster	10%	Now	\$300	LIFE	**	5	\$700	
<i>Water Penetration, Extent : Light, Area Affected : 1%</i>								
<i>Location : 1st Floor Office Area</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2047	**			
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2040	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2040	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	75%			2027	\$3,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Service Area.</i>								
<i>Explanation : 400 Ampere mp Fused Disconnect Switch.</i>								
Fused Disc Sw	25%			2047	**	5		
<b>Raceway</b>								
Conduit	80%			2047	**	1		
Conduit	20%			2047	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	70%			2026	\$27,500	5	\$200	
Molded Case Bkrs	30%			2049	**	5	\$100	
<b>Wiring</b>								
Braided Cloth	60%	2-4	\$17,000	2052	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Monitoring Station</i>								
Thermoplastic	40%			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. 3/LADDER 12/ BATTALION 7**  
**Asset # : 13002**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Under 600 Volts								
	Motor Controllers							
	Locally Mounted	100%			2032	**	5	\$100
Ground								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$100
Stand-by Power								
	Transfer Switches							
	Automatic	100%			2040	**	1	\$2,700
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement Service Area</i>				
				<i>Explanation : 200 Ampere Transfer Switch.</i>				
Generators								
	Diesel	100%			2036	**	1	\$3,400
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Exterior Lower Roof</i>				
				<i>Explanation : 80 Kilo-volt-ampere, 3 Phase, 208/120 V</i>				
Batteries								
	Lead/Acid	100%			2021	\$1,500	5	\$300
Fuel Storage								
	Day Tank	10%			2043	**	5	\$200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Exterior Lower Roof Integral With Generator</i>				
				<i>Explanation : 60 Gallon Sub-Base Day Tank</i>				
	Main Tank	90%			2055	**	5	\$200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 550 Gallon Diesel Fuel Oil Tank For Trucks</i>				
Lighting								
	Interior Lighting							
	Fluorescent	95%			2032	**	10	\$7,600
				<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Throughout</i>				
	Incandescent	5%			2027	\$2,900	2	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : TV Room</i>				
				<i>Explanation : Downlights</i>				
Egress Lighting								
	Exit, Service	100%			2027	\$1,000	1	
Exterior Lighting								
	HID	98%	4+		2027	\$400		
				<i>Not in Service, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Facade</i>				
				<i>Outdr Lights On During Daytime, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Front Of Building</i>				
	Incandescent	2%			2027	\$600	2	

## Alarm

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 3/LADDER 12/ BATTALION 7**  
**Asset # : 13002**

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

## Alarm

Fire/Smoke Detection  
Generic, Analog

100%

2032

\* \*

1-3

\$5,600

*Other Observation, Extent : Light, Area Affected : 100%**Location : Full Building**Explanation : Automatic Fire Alarm Only*

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

## Heating

Energy Source

Natural Gas

100%

2047

\* \*

1

Conversion Equipment

Hot Water Boiler

100%

2040

\* \*

1

\$4,300

Distribution

Hot Wtr Piping/Pump

100%

2035

\* \*

4

\$400

Terminal Devices

Convactor/Radiator

60%

2032

\* \*

1

\$1,700

Convactor/Radiator

10% Now

\$400

2047

\* \*

1

\$300

*Damaged, Extent : Moderate, Area Affected : 20%**Location : 1st And 2 Floor**Other Observation, Extent : Light, Area Affected : 20%**Location : 1st Floor**Explanation : Cover Damaged*

Unit Heater - Steam

30%

2027

\$9,000

4

\$200

## Air Conditioning

Energy Source

Electricity

100%

2043

\* \*

1

Conversion Equipment

Split Unit

25%

2032

\* \*

*Other Observation, Extent : Light, Area Affected : 25%**Location : 2nd Floor**Explanation : Serving Locker Rooms*

Window/Wall Unit

75%

2022

\$13,100

1

## Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

\* \*

2-5

\$4,900

Exhaust Fans

Roof

80%

2027

\$11,100

2

\$200

Wall Unit

20%

2027

\$600

2

\$100

## Plumbing

H/C Water Piping

Brass/Copper

100%

2037

\* \*

1

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 3/LADDER 12/ BATTALION 7**  
**Asset # : 13002**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Water Heater Gas Fired	100%			2022	\$5,100	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
<hr/>								
	Sanitary Piping Cast Iron	80%			LIFE	* *	1	
	Cast Iron	20%	Now	\$4,900	LIFE	* *	1	
<i>Leak Evident, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 1st Floor Ceiling</i>								
<hr/>								
	Storm Drain Piping Cast Iron	80%			LIFE	* *	1	
	Cast Iron	20%	Now	\$1,700	LIFE	* *	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<hr/>								
	Sump Pump(s) Submersible	100%			2020	\$300	4	\$300
<hr/>								
	Backflow Preventer No Component Generic	95%			2032	* *	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
<hr/>								
	Fixtures Generic	100%						
<hr/>								
<b>Fire Suppression</b>								
	Chemical System Wet	10%			2025	\$2,700	1-3	\$400
	No Component	90%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 25-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 10464 **Lot** : 25 **BIN** : 4222434

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$176,500	
Interior Architecture		\$52,500
Mechanical		\$129,100
<b>Total</b>	<b>\$176,500</b>	<b>\$181,600</b>
Importance Code A	\$176,500	
Importance Code B		\$181,600
<b>Total</b>	<b>\$176,500</b>	<b>\$181,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$13,700	\$1,200	\$6,000	\$300
Interior Architecture	\$76,500	\$1,100	\$1,100	
Electrical	\$100		\$800	
Mechanical	\$2,400	\$1,500	\$39,700	\$1,700
<b>Total</b>	<b>\$92,600</b>	<b>\$3,800</b>	<b>\$47,600</b>	<b>\$2,000</b>
Importance Code A	\$14,600	\$2,000	\$6,900	\$1,100
Importance Code B	\$47,200	\$1,700	\$40,700	\$900
Importance Code C	\$30,800			
<b>Total</b>	<b>\$92,600</b>	<b>\$3,800</b>	<b>\$47,600</b>	<b>\$2,000</b>



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 301/LADDER CO. 150**  
**Asset # : 13186**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	0-2	\$176,500	LIFE	**	5	\$19,100	
<i>Repointing Failure, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Side/ Rear Facades And Hose Tower</i>								
Granite Panels	10%			LIFE	**	5	\$1,800	
Wood Overhead Doors	10%			2032	**	5	\$11,900	
Windows								
Aluminum	25%			2043	**	5	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Protective Metal Grilles</i>								
Aluminum	75%	0-2	\$8,100	2035	**	5	\$900	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Upper Story Windows</i>								
Parapets								
Masonry: Brick	20%			LIFE	**	5	\$100	
Masonry: Granite	80%			LIFE	**	5	\$600	
<i>Repointing Failure, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Parapet And Hose Tower</i>								
Roof								
Asphalt Shingle	80%	Now	\$5,600	2036	**			
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Crickets At Hose Tower</i>								
Copper/Terne	5%			2055	**	10	\$1,200	
Roll Roofing	15%			2026		5	\$2,500	
Interior								
Floors								
Cast in Place Concrete	35%	2-4	\$22,500	LIFE	**	5	\$9,300	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apron Of Apparatus Room - Into Basement Tool Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Below Apparatus Room</i>								
<i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	5%			2036	**	5	\$600	
Vinyl Tile	50%			2027		3	\$2,300	
Wood	10%			2042	**	5	\$2,300	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 301/LADDER CO. 150**  
**Asset # : 13186**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	5%	Now	\$16,300	LIFE		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Hose Tower</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Hose Tower</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Hose Tower</i>								
Gypsum Board	20%	Now	\$4,300	LIFE		**	5	\$2,000
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Stair To Third Floor, Locker Room, Engine Officers Bedroom</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stair To Third Floor</i>								
<i>Explanation : Mold</i>								
Masonry: Brick	10%			LIFE		**		
Plaster	15%	Now	\$10,300	LIFE		**	5	\$800
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Hose Tower And Third Floor Stair</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Hose Tower, Pole Hole And Various Locations Throughout</i>								
SGFT/Glazed Masonry	50%			LIFE		**		
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%	Now	\$400	2044		**	5	\$300
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Locker Room</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Dormitory</i>								
Exposed Concrete	5%	Now	\$1,700	LIFE		**	5	\$100
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Hose Tower</i>								
Gypsum Board	15%			LIFE		**	5	\$2,000
Plaster	75%	Now	\$21,000	LIFE		**	5	\$4,900
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Hose Tower, Locker Room, Engine Officers Bedroom, Stair</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2037		**	5	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated At 400 Amperes</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 301/LADDER CO. 150**  
**Asset # : 13186**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2037	**	5	\$300	
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Molded Case Bkrs	100%			2035	**	5	\$300	
Wiring								
Thermoplastic	100%			2037	**	1		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	99%			2027	\$27,300	10	\$9,100	
			<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
Incandescent	1%			2022	\$700	2		
Egress Lighting								
Emergency, Battery	10%			2027	\$1,400	10	\$200	
Exit, Service	90%			2027	\$1,000	1		
Exterior Lighting								
HID	20%			2027	\$7,700	10		
No Component	80%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Electricity	20%			2037	**	1		
Natural Gas	80%			2037	**	1		
Conversion Equipment								
Heat Pump Air Sourced	20%			2028		2	\$600	
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : 3rd Floor</i>					
			<i>Explanation : 4 Units</i>					
Steam Boiler	80%			2040	**	1	\$7,900	
			<i>Other Observation, Extent : Light, Area Affected : 80%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 Unit</i>					
Distribution								
Central Plant Steam	80%			2027	\$129,100	4	\$400	
Piping/Pmp								
No Component	20%							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 301/LADDER CO. 150**  
**Asset # : 13186**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
Terminal Devices								
	Convactor/Radiator	80%			2032	**	1	\$2,600
	Fan Coil Unit/Heat	20%			2032	**	1	\$600
<b>Air Conditioning</b>								
Energy Source								
	Electricity	100%			2035	**	1	
Conversion Equipment								
	Split Unit	20%			2032	**		
<i>R-22 Refrigerant, Extent : Light, Area Affected : 20%</i>								
<i>Location : 5 Units. Various</i>								
	Window/Wall Unit	50%			2022	\$9,900	1	
	No Component	30%						
<b>Distribution</b>								
	Ductwork/Diffusers	20%			LIFE	**	2	\$2,600
	No Component	80%						
<b>Terminal Devices</b>								
	Air Handler/Dir Expansion	20%			2032	**	1	
	No Component	80%						
<b>Heat Rejection</b>								
	Dry Cooler	20%			2032	**	2	\$1,400
	No Component	80%						
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	40%			LIFE	**	2-5	\$2,200
	No Component	60%						
<b>Exhaust Fans</b>								
	Roof	10%	Now	\$200	2027	\$1,600	2	
<i>Malfunctioning, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen Fan, Roof</i>								
	Wall Unit	60%			2027	\$2,000	2	\$200
	No Component	30%						
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%			2037	**	1	
<b>Water Heater</b>								
	Gas Fired	100%			2025	\$5,800	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
<b>Sanitary Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Storm Drain Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Sump Pump(s)</b>								
	Submersible	100%			2020	\$300	4	\$300

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 301/LADDER CO. 150**  
**Asset # : 13186**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2022	\$26,700	1-3	\$3,700

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 302/LADDER CO. 155  
**Address** : 143-15 ROCKAWAY BOULEVARD  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.302 / 13187 **Yr Built/Renovated** : 1931 /  
**Area Sq Ft** : 5,152 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 16-Apr-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Floors x  
**Block** : 12046 **Lot** : 2 **BIN** : 4261544

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Interior Architecture	\$43,500	
<b>Total</b>	<b>\$43,500</b>	
Importance Code B	\$43,500	
<b>Total</b>	<b>\$43,500</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$53,600			
Interior Architecture	\$16,000		\$600	\$500
Electrical	\$100		\$100	
Mechanical	\$9,000	\$900	\$27,800	\$1,300
Site Enclosure	\$17,000			
Site Pavements	\$9,600			
<b>Total</b>	<b>\$105,300</b>	<b>\$900</b>	<b>\$28,500</b>	<b>\$1,700</b>
Importance Code A	\$54,100	\$500	\$500	\$500
Importance Code B	\$21,100	\$500	\$28,000	\$1,000
Importance Code C	\$30,100			\$300
<b>Total</b>	<b>\$105,300</b>	<b>\$900</b>	<b>\$28,500</b>	<b>\$1,700</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**  
**ENGINE CO. 302/LADDER CO. 155**  
**Asset # : 13187**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$32,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Explanation : Repointing Work Done In 2013</i>								
Masonry: Granite	3%			LIFE	**	5	\$900	
Masonry: Limestone	7%			LIFE	**	5	\$2,200	
Wood Overhead Doors	10%	Now	\$19,900	2042	**	5	\$5,100	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Center Of Door</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Overhead Door</i>								
<i>Explanation : Constant Repairs And Malfunction Issues</i>								
Windows								
Aluminum	100%	Now	\$4,400	2045	**	5	\$300	
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5-10	\$2,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet Wall</i>								
Masonry: Brick	95%			LIFE	**	5-10	\$11,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet Wall</i>								
<i>Explanation : Repointing Work Done In 2013</i>								
Roof								
Asphalt Shingle	5%			2038	**	10	\$100	
Modified Bitumen	95%			2037	**	10	\$8,200	
Interior								
Floors								
Cast in Place Concrete	53%	4+	\$2,400	LIFE	**	5	\$9,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2038	**	5	\$400	
Quarry Tile	5%			2042	**	5	\$600	
Sheet Vinyl/Rubber	5%			2034	**	5	\$600	
Terrazzo	2%	0-2	\$400	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	30%			2034	**	3	\$1,000	

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 302/LADDER CO. 155**  
**Asset # : 13187**

<b>Architecture</b>		<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>		
<b>Interior</b>									
<b>Interior Walls</b>									
Cast in Place Concrete	10%			LIFE	**	10	\$1,300		
Ceramic Tile	10%			2038	**	5	\$500		
Gypsum Board	10%			LIFE	**	5-10	\$900		
Masonry: Brick	10%			LIFE	**	10	\$200		
Plaster	35%	4+	\$800	LIFE	**	5	\$600		
<i>Paint Peeling, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Second Floor</i>									
SGFT/Glazed Masonry	25%			LIFE	**	10	\$700		
<b>Ceilings</b>									
AcousTileSusp.Lay-In	20%	0-2	\$2,800	2042	**	5	\$900		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 40%</i>									
<i>Location : Throughout</i>									
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Kitchen</i>									
Exposed Struc: Steel	40%			LIFE	**	10	\$6,800		
Gypsum Board	2%	4+		LIFE	**	5	\$200		
<i>Water Penetration, Extent : Moderate, Area Affected : 1%</i>									
<i>Location : Kitchen Area</i>									
Plaster	38%	0-2	\$43,500	LIFE	**	5	\$2,000		
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Second Floor</i>									
<b>Site Enclosure</b>									
<b>Fence/Gates</b>									
Chain Link	45%	0-2	\$9,000	2059	**				
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
Wood	55%	0-2	\$8,000	2034	**				
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
<b>Site Pavements</b>									
<b>Public Sidewalk</b>									
Cast in Place Concrete	100%			2046	**				
<b>On-Site Walkways</b>									
Cast in Place Concrete	100%	0-2	\$6,100	2034	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
<b>Parking/Driveway</b>									
Cast in Place Concrete	100%	0-2	\$3,500	2042	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>									
<i>Location : Throughout</i>									

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 302/LADDER CO. 155**  
**Asset # : 13187**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2039	**	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%			2039	**	5	\$100	
Raceway								
Conduit	100%			2039	**	1		
Panelboards								
Molded Case Bkrs	100%			2037	**	5	\$100	
Wiring								
Thermoplastic	100%			2039	**	1		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<b>Lighting</b>								
Interior Lighting								
LED	100%			2037	**			
Exterior Lighting								
LED	30%			2037	**			
No Component	70%							
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Furnace	10%			2034	**	1	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Ceiling Of Apparatus Floor</i>								
<i>Explanation : 1 Gas Fired Modine Unit</i>								
Steam Boiler	90%			2042	**	1	\$4,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	100%	0-2	\$400	2039	**			
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 302/LADDER CO. 155**  
**Asset # : 13187**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	100%	0-2	\$1,300	2034	**	1	\$1,500	
<i>Malfunctioning, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Relief Valves Need Replacement</i>								
<i>Not in Service, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunker Room</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Window/Wall Unit	40%	0-2	\$4,100	2029	\$4,100	1		
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
Window/Wall Unit	20%			2024	\$2,100	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$500	
No Component	90%							
Exhaust Fans								
Roof	10%			2029	\$800	2		
Wall Unit	25%			2024	\$400	2		
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	100%			2027	\$3,000	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units - 75 Gallons Each</i>								
Sanitary Piping								
Cast Iron	100%	0-2	\$1,800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement House Trap</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Leak Is Coming From Shower Drain In 2nd Floor Mens Bathroom To The Kitchen.</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2022	\$200	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Pits With 1 Pump In Each</i>								

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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**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Fixtures							
	Generic	100%						
				<i>Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 10%</i>				
				<i>Location : Various Locations</i>				
				<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 20%</i>				
				<i>Location : Various Locations</i>				
Fire Suppression	Chemical System							
	Generic	100%			2022	\$26,700	1-3	\$4,000
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : 1 Set</i>				

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 303/LADDER CO. 126  
**Address** : 104-12 PRINCETON STREET @ LIBERTY AVE.  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.303 / 13188 **Yr Built/Renovated** : 1931 / 2007  
**Area Sq Ft** : 5,610 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 18-Apr-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 10046 **Lot** : 14 **BIN** : 4214846

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$594,400	
Interior Architecture	\$35,800	
<b>Total</b>	<b>\$630,200</b>	
Importance Code A	\$594,400	
Importance Code B	\$35,800	
<b>Total</b>	<b>\$630,200</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$4,100			
Interior Architecture	\$25,900		\$700	\$1,100
Electrical	\$9,700		\$100	
Mechanical	\$5,400	\$1,200	\$29,500	\$1,400
Site Enclosure	\$4,500			
<b>Total</b>	<b>\$49,500</b>	<b>\$1,200</b>	<b>\$30,300</b>	<b>\$2,500</b>
Importance Code A	\$4,600	\$600	\$600	\$600
Importance Code B	\$34,100	\$600	\$29,800	\$1,300
Importance Code C	\$10,800			\$600
<b>Total</b>	<b>\$49,500</b>	<b>\$1,200</b>	<b>\$30,300</b>	<b>\$2,500</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**  
**ENGINE CO. 303/LADDER CO. 126**  
**Asset # : 13188**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	15%			2039	**	10	\$1,000	
Masonry: Brick	55%	Now	\$211,600	LIFE	**	5	\$11,500	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : North, South And West Facades</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South And West Facades</i>								
Masonry: Brick	15%	Now	\$96,200	LIFE	**	5	\$3,100	1
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Leaning Sections</i>								
Masonry: Limestone	5%	Now	\$69,700	LIFE	**	5	\$800	
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Granite Panels	2%			LIFE	**	5	\$600	
Wood Overhead Doors	8%	Now	\$53,800	2049	**	5	\$4,200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Elevation</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Elevation</i>								
Windows								
Aluminum	100%	Now	\$83,100	2054	**	5	\$1,000	
<i>Unit Inoperable, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	85%	Now	\$80,000	LIFE	**	5	\$2,300	1
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : North, South And West Facades</i>								
Masonry: Limestone	10%			LIFE	**	5-10	\$3,200	
Pre-Cast Concrete	5%			LIFE	**	5	\$1,700	
Roof								
Asphalt Shingle	25%			2038	**	10	\$400	
Modified Bitumen	75%			2037	**	10	\$6,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</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. 303/LADDER CO. 126**

**Asset # : 13188**

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

Interior

Floors

Cast in Place Concrete	40%			LIFE	**	5	\$16,100	
Ceramic Tile	15%			2032	**	5	\$1,400	
Vinyl Tile	45%	0-2	\$35,800	2039	**	3	\$1,500	

*Broken/Missing Elements, Extent : Moderate, Area Affected : 50%*

*Location : 2nd Floor*

*Worn/Eroded, Extent : Moderate, Area Affected : 100%*

*Location : Second Floor*

Interior Walls

Ceramic Tile	10%			2038	**	5	\$1,200	
Gypsum Board	15%			LIFE	**	5-10	\$3,000	
Masonry: Brick	15%			LIFE	**	10	\$500	
Plaster	45%			LIFE	**	5-10	\$4,500	
SGFT/Glazed Masonry	15%			LIFE	**	10	\$900	

Ceilings

AcousTileSusp.Lay-In	10%			2034	**	5	\$900	
Exposed Struc: Steel	30%			LIFE	**	10	\$5,500	
Plaster	60%			LIFE	**	5-10	\$9,500	

Site Enclosure

Fence/Gates

Chain Link	100%	0-2	\$4,500	2049	**			
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*Other Observation, Extent : Light, Area Affected : 10%*

*Location : Side Yards*

*Explanation : Leaning Sections*

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2042	**			
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On-Site Walkways

Cast in Place Concrete	100%			2042	**			
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Parking/Driveway

Cast in Place Concrete	100%			2042	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2039	**	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%			2039	**	5	\$100	
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Raceway

Conduit	100%			2039	**	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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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 303/LADDER CO. 126**

**Asset # : 13188**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	100%			2037	**	5	\$100	
Wiring								
Thermoplastic	100%			2039	**	1		
Motor Controllers								
Locally Mounted	100%			2034	**	5		
Ground								
Grounding Devices								
Generic	100%	0-2	\$9,700	LIFE	**	5	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2029	\$15,500	10	\$5,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Emergency, Battery	50%			2029	\$3,900	10	\$700	
Exit, Service	50%			2029	\$300	1		
Exterior Lighting								
HID	30%			2029	\$6,500	10		
No Component	70%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$5,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2045	**	4	\$400	
Terminal Devices								
Convactor/Radiator	75%			2042	**	1	\$1,400	
Fan Coil Unit/Heat	25%			2029	\$20,100	1	\$500	
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2024	\$5,600	1		
No Component	50%							
Ventilation								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 303/LADDER CO. 126**  
**Asset # : 13188**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	10%			LIFE	**	2-5	\$500
	No Component	90%						
<b>Exhaust Fans</b>								
	Roof	10%			2029	\$900	2	
	Wall Unit	20%			2029	\$400	2	
	No Component	70%						
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%	0-2	\$2,000	2049	**	1	
				<i>Corroded, Extent : Moderate, Area Affected : 5%</i>				
				<i>Location : Water Main Valve, Basement</i>				
<b>Water Heater</b>								
	Gas Fired	50%			2027	\$1,600	2	
	Gas Fired	50%			2022	\$1,600	2	
<b>Sanitary Piping</b>								
	Cast Iron	20%	0-2	\$1,600	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 50%</i>				
				<i>Location : Water Backs Up On Driveway Next To The Building</i>				
				<i>Other Observation, Extent : Light, Area Affected : 10%</i>				
				<i>Location : South Side, Outside Of The Building.</i>				
				<i>Explanation : There Is No Drain On The South Side Of The Building Causing Flooding.</i>				
	Cast Iron	80%			LIFE	**	1	
<b>Storm Drain Piping</b>								
	Cast Iron	90%			LIFE	**	1	
	Cast Iron	10%	0-2	\$200	LIFE	**	1	
				<i>Damaged, Extent : Moderate, Area Affected : 50%</i>				
				<i>Location : The Gutter, Perimeter Of The Building</i>				
<b>Sump Pump(s)</b>								
	Submersible	100%	0-2		2022	\$200	4	\$100
				<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
<b>Chemical System</b>								
	Generic	100%			2022	\$26,700	1-3	\$4,000
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : 1 Set</i>				

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 304/LADDER CO. 162  
**Address** : 218-44 97th AVENUE  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.304 / 13189 **Yr Built/Renovated** : 1922 /  
**Area Sq Ft** : 5,376 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 07-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 10770 **Lot** : 23 **BIN** : 4230875

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$147,200	
Electrical		\$73,500
<b>Total</b>	<b>\$147,200</b>	<b>\$73,500</b>
Importance Code A	\$147,200	
Importance Code B		\$73,500
<b>Total</b>	<b>\$147,200</b>	<b>\$73,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$64,100			
Interior Architecture	\$31,500			\$900
Electrical	\$8,600			
Mechanical	\$6,000	\$1,200	\$2,400	\$1,800
Site Pavements	\$2,900			
<b>Total</b>	<b>\$113,100</b>	<b>\$1,200</b>	<b>\$2,400</b>	<b>\$2,700</b>
Importance Code A	\$64,600	\$500	\$500	\$500
Importance Code B	\$38,500	\$600	\$1,900	\$1,900
Importance Code C	\$10,000			\$300
<b>Total</b>	<b>\$113,100</b>	<b>\$1,200</b>	<b>\$2,400</b>	<b>\$2,700</b>



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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 304/LADDER CO. 162**

**Asset # : 13189**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$88,900	LIFE	**	5	\$14,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : West Facade</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade, West Facade</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Office And Truck Office</i>								
Masonry: Limestone	5%	Now	\$10,100	LIFE	**	5	\$700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North Facade, Window Sills</i>								
Stucco Cement	5%			2034	**	5	\$2,300	
Wood Overhead Doors	10%	Now	\$58,300	2049	**	5	\$4,500	
<i>Deteriorated Finish, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	Now	\$7,400	2037	**	5	\$900	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$5,600	
Masonry: Brick	90%	Now	\$21,000	LIFE	**	5	\$1,800	
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade, West Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Interior Face</i>								
Roof								
Modified Bitumen	100%	Now	\$21,500	2034	**			
<i>Blisters, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Low Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lower Roof, Over Stairs, Over Kitchen</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 304/LADDER CO. 162**  
**Asset # : 13189**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$2,200	LIFE	**	5	\$8,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Room At Truck Doors</i>								
<i>Drains Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room At Truck Doors</i>								
Ceramic Tile	5%			2038	**	5	\$400	
Quarry Tile	5%			2034	**	5	\$600	
Vinyl Tile	40%	0-2	\$5,700	2029	\$28,400	3	\$1,200	
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor</i>								
Interior Walls								
Cast in Place Concrete	10%	Now	\$1,500	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Boiler Room</i>								
Ceramic Tile	5%			2038	**	5	\$600	
Gypsum Board	25%			LIFE	**	5-10	\$4,900	
Plaster	20%	Now	\$400	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Hose Tower</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
Plywood/Hardboard	5%			LIFE	**	10	\$100	
SGFT/Glazed Masonry	35%			LIFE	**	10	\$2,000	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 304/LADDER CO. 162**  
**Asset # : 13189**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	30%	0-2	\$11,400	2042	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : TV Room, Basement, Kitchen</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Bunk Room</i>								
Exposed Concrete	20%	Now	\$1,000	LIFE	**	5	\$200	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	50%			LIFE	**	5-10	\$6,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Corridor</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 15%</i>								
<i>Location : Second Floor Corridor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Corridor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	**			
Retaining Walls								
Cast in Place Concrete	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
On-Site Walkways								
Cast in Place Concrete	100%			2042	**			
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$2,900	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Ramp</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2029	\$4,900	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 304/LADDER CO. 162**  
**Asset # : 13189**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	\$49,900	5	\$100	
Raceway								
Conduit	100%			2029	\$32,000	1		
Panelboards								
Fused Disc Sw	10%			2028	\$3,900	5		
Molded Case Bkrs	60%			2028	\$23,600	5	\$100	
Molded Case Bkrs	30%			2045	**	5		
Wiring								
Braided Cloth	30%	2-4	\$8,500	2054	**	1		
		<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Thermoplastic	40%			2029	\$11,300	1		
Thermoplastic	30%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	5%			2034	**	10	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : T-8 Lamps</i>						
LED	95%			2039	**			
Exterior Lighting								
HID	100%			2024	\$20,700	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$5,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One Unit</i>						
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$1,700	

**Air Conditioning**

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 304/LADDER CO. 162**  
**Asset # : 13189**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>			
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Air Conditioning</b>									
<b>Energy Source</b>									
	Electricity	100%			2045	* *	1		
<b>Conversion Equipment</b>									
	Exterior Pkg Unit - Cooling	20%			2034	* *	2	\$100	
	Window/Wall Unit	60%			2027	\$6,400	1		
	No Component	20%							
<b>Terminal Devices</b>									
	Fan Coil - 2 Pipe	100%			2034	* *	1	\$1,700	
<b>Heat Rejection</b>									
	Air Cooled Condenser Unit	100%			2034	* *	2	\$3,700	
<b>Ventilation</b>									
<b>Distribution</b>									
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$4,700	
<b>Exhaust Fans</b>									
	Wall Unit	100%			2034	* *	2	\$200	
<b>Plumbing</b>									
<b>H/C Water Piping</b>									
	Galvanized Steel	100%			2042	* *	1		
<b>Water Heater</b>									
	Gas Fired	50%			2024	\$1,600	2		
				<i>Other Observation, Extent : Light, Area Affected : 50%</i>					
				<i>Location : Basement</i>					
				<i>Explanation : One Unit</i>					
	Gas Fired	50%			2029	\$1,600	2		
				<i>Recent Installation, Extent : Light, Area Affected : 50%</i>					
				<i>Location : Basement</i>					
<b>Sanitary Piping</b>									
	Cast Iron	100%	Now	\$1,900	LIFE	* *	1		
				<i>Blockage /Clogged, Extent : Severe, Area Affected : 15%</i>					
				<i>Location : Basement House Trap</i>					
<b>Storm Drain Piping</b>									
	Cast Iron	100%			LIFE	* *	1		
<b>Sump Pump(s)</b>									
	Submersible	100%			2023	\$200	4	\$200	
<b>Fixtures</b>									
	Generic	100%							
<b>Fire Suppression</b>									
<b>Chemical System</b>									
	Dry	100%			2024	\$26,700	1-3	\$3,900	

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 305/LADDER CO. 151  
**Address** : 111-02 QUEENS BOULEVARD @ 75TH AVE.  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.305 / 13190 **Yr Built/Renovated** : 1922 / 2005  
**Area Sq Ft** : 4,248 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 03-May-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2,Att  
**Block** : 3294 **Lot** : 20 **BIN** : 4078827

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Electrical		\$30,000
Mechanical		\$41,400
<b>Total</b>		<b>\$71,400</b>
Importance Code B		\$71,400
<b>Total</b>		<b>\$71,400</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$41,600		\$2,500	
Interior Architecture	\$22,600		\$500	\$700
Electrical	\$22,100	\$300	\$300	\$300
Mechanical	\$4,200	\$1,000	\$30,200	\$1,300
Site Pavements	\$3,300			
<b>Total</b>	<b>\$93,800</b>	<b>\$1,300</b>	<b>\$33,400</b>	<b>\$2,400</b>
Importance Code A	\$42,000	\$400	\$2,900	\$400
Importance Code B	\$39,300	\$900	\$30,600	\$1,700
Importance Code C	\$12,500			\$200
<b>Total</b>	<b>\$93,800</b>	<b>\$1,300</b>	<b>\$33,400</b>	<b>\$2,400</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**  
**ENGINE CO. 305/LADDER CO. 151**  
**Asset # : 13190**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$25,300	
Masonry: Limestone	10%	Now	\$19,200	LIFE	**	5	\$1,200	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	10%			2042	**	5	\$4,900	
Windows								
Aluminum	100%			2045	**	5	\$400	
Roof								
Copper/Terne	100%	0-2	\$9,400	2044	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Over Locker Area And Mens Bathroom</i>								
Interior								
Floors								
Cast in Place Concrete	48%			LIFE	**	5	\$13,400	
Ceramic Tile	5%			2038	**	5	\$300	
Quarry Tile	5%			2042	**	5	\$500	
Terrazzo	2%	4+	\$100	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Stair Steps</i>								
Vinyl Tile	40%			2029	\$24,100	3	\$1,300	
Interior Walls								
Cast in Place Concrete	10%			LIFE	**	10	\$2,200	
Ceramic Tile	5%			2038	**	5	\$400	
Gypsum Board	45%			LIFE	**	5-10	\$6,800	
Masonry: Brick	7%			LIFE	**	10	\$200	
SGFT/Glazed Masonry	30%			LIFE	**	10	\$1,300	
Wood	3%			LIFE	**	5	\$2,100	
Ceilings								
AcousTileSusp.Lay-In	7%			2042	**	5	\$500	
Exposed Concrete	30%	Now	\$1,400	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Basement Meter Room</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Basement Meter Room</i>								
Gypsum Board	3%			LIFE	**	5-10	\$700	
Plaster	60%			LIFE	**	5-10	\$6,900	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
On-Site Walkways								
Cast in Place Concrete	100%			2034	**			

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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. 305/LADDER CO. 151**  
**Asset # : 13190**

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

## Site Pavements

Parking/Driveway  
Asphalt

100% Now \$3,300 2038 \* \*  
*Cracking/Crumbling, Extent : Severe, Area Affected : 20%*  
*Location : Parking Area Right 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)	Estimated Cost	

## Under 600 Volts

Service Equipment  
Fused Disc Sw

100% 2055 \* \* 5  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Electrical Room*  
*Explanation : Main Service Disconnect Switch Rated At 400 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs

100% 2055 \* \* 5 \$100

Raceway

Conduit

70% 2029 \$24,400 1

Conduit

30% 2055 \* \* 1

Panelboards

Molded Case Bkrs

70% 2028 \$30,000 5 \$100

Molded Case Bkrs

30% 2051 \* \* 5

Wiring

Braided Cloth

70% 2-4 \$21,600 2054 \* \* 1  
*Insulation Aged, Extent : Moderate, Area Affected : 100%*  
*Location : Throughout The Building*

Thermoplastic

30% 2055 \* \* 1

## Ground

Grounding Devices  
Generic

100% LIFE \* \* 5 \$100

## Stand-by Power

Transfer Switches

Automatic

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

Generators

Diesel

100% 2042 \* \* 1 \$1,700  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Rear Of The Building*  
*Explanation : Emergency Generator Rated At 60 Kilowatts*

Batteries

Lead/Acid

100% 2024 \$1,700 5 \$200

Fuel Storage

Main Tank

100% 2064 \* \* 5 \$100  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Rear Of The Building*  
*Explanation : 125 Gallons Rated Capacity*

## Lighting

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**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting								
LED	100%			2037	**			
Egress Lighting								
Emergency, Service	50%			2037	**	1		
Exit, LED	50%			2044	**	1		
Exterior Lighting								
LED	20%			2037	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front And Rear Of The Building</i>								
<i>Explanation : LED Light Fixtures</i>								
No Component	80%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$4,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	100%			2039	**			
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$1,400	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Interior Pkg Unit - Cooling	25%	0-2	\$2,100	2027	\$41,400	2	\$100	
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Water Dripping Through 2nd Floor Ceiling Because Of Condensate In The Attic</i>								
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2 Units - Attic</i>								
Window/Wall Unit	25%	0-2	\$500	2024	\$2,300	1		
<i>Not in Service, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various locations</i>								
No Component	50%							
<b>Heat Rejection</b>								
Air Cooled Condenser Unit	25%			2029	\$1,100	2	\$700	
No Component	75%							

**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. 305/LADDER CO. 151**  
**Asset # : 13190**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	35%			LIFE	**	2-5	\$1,300
	No Component	65%						
<b>Exhaust Fans</b>								
	Interior	25%			2029	\$3,900	2	
	Roof	10%			2029	\$700	2	
	Wall Unit	20%			2029	\$300	2	
	No Component	45%						
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%			2039	**	1	
<b>Water Heater</b>								
	Gas Fired	100%			2024	\$2,700	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 Units</i>							
<b>Sanitary Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Sump Pump(s)</b>								
	Submersible	100%			2022	\$200	4	\$100
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
<b>Chemical System</b>								
	Generic	100%			2022	\$29,100	1-3	\$4,000
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : 1 Set</i>							

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Estimates are rounded to the nearest hundred dollars.

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 306  
**Address** : 40-18 214th PLACE  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.306 / 13191 **Yr Built/Renovated** : 1924 / 2007  
**Area Sq Ft** : 4,860 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 24-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 6288 **Lot** : 32 **BIN** : 4138284

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$96,900	\$104,500
<b>Total</b>	<b>\$96,900</b>	<b>\$104,500</b>
Importance Code A	\$96,900	\$104,500
<b>Total</b>	<b>\$96,900</b>	<b>\$104,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$42,800			
Interior Architecture	\$28,000		\$300	\$1,500
Electrical	\$100	\$100	\$100	\$100
Mechanical	\$2,000	\$900	\$1,400	\$900
Site Pavements	\$9,600			
<b>Total</b>	<b>\$82,600</b>	<b>\$1,000</b>	<b>\$1,800</b>	<b>\$2,500</b>
Importance Code A	\$43,300	\$500	\$500	\$500
Importance Code B	\$22,600	\$500	\$1,400	\$1,200
Importance Code C	\$16,600			\$800
<b>Total</b>	<b>\$82,600</b>	<b>\$1,000</b>	<b>\$1,800</b>	<b>\$2,500</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**  
**ENGINE CO. 306**  
**Asset # : 13191**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$96,900	LIFE	**	5	\$15,700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North And West Facades</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North And West Facades</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North And West Facades</i>								
Masonry: Granite	2%			LIFE	**	5	\$600	
Masonry: Limestone	8%	Now	\$17,600	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Above Main Entrance</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade</i>								
Wood Overhead Doors	10%			2034	**	5	\$9,800	
Windows								
Aluminum	100%			2045	**	5	\$1,600	
Parapets								
Masonry: Brick	90%	Now	\$22,400	LIFE	**	5	\$1,900	
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North And West Parapets</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North And West Parapets</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : West And North Parapets</i>								
Masonry: Limestone	5%	Now	\$1,100	LIFE	**	5	\$100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$1,300	
Roof								
Built-Up (BUR)	100%			2029	\$104,500	10	\$7,500	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$14,100	
Ceramic Tile	5%			2038	**	5	\$400	
Quarry Tile	5%			2042	**	5	\$600	
Vinyl Tile	50%			2029	\$34,900	3	\$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. 306**  
**Asset # : 13191**

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

## Interior

## Interior Walls

Cast in Place Concrete	20%			LIFE	**	10	\$5,500	
Ceramic Tile	15%			2038	**	5	\$1,700	
Gypsum Board	5%			LIFE	**	5-10	\$900	
Masonry: Brick	5%			LIFE	**	10	\$200	
Plaster	55%	0-2	\$5,000	LIFE	**	5	\$1,800	

*Paint Peeling, Extent : Moderate, Area Affected : 20%*

*Location : Offices, Interior Walls At Window Perimeter, Stairway*

## Ceilings

AcousTileSusp.Lay-In	10%			2034	**	5	\$800	
Exposed Struc: Steel	15%			LIFE	**	10	\$2,400	
Plaster	65%			LIFE	**	5-10	\$9,000	
Plaster	10%	Now	\$1,100	LIFE	**	5	\$500	

*Cracking/Crumbling, Extent : Moderate, Area Affected : 20%*

*Location : Roof Access*

*Water Penetration, Extent : Moderate, Area Affected : 10%*

*Location : Roof Access*

## Site Enclosure

## Fence/Gates

Chain Link	100%			2049	**			
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## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%	Now	\$4,200	2042	**			
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*Cracking/Crumbling, Extent : Severe, Area Affected : 10%*

*Location : 214th Place*

## On-Site Walkways

Cast in Place Concrete	100%			2042	**			
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## Parking/Driveway

Asphalt	75%	Now	\$5,300	2038	**			
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*Broken/Missing Elements, Extent : Severe, Area Affected : 15%*

*Location : Parking Driveway*

Cast in Place Concrete	25%			2034	**			
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Electrical		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2039	**	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%			2039	**	5	\$100	
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## Raceway

Conduit	100%			2039	**	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. 306**  
**Asset # : 13191**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Panelboards								
Fused Disc Sw	10%			2037	**	5		
Molded Case Bkrs	70%			2037	**	5	\$100	
Molded Case Bkrs	20%			2045	**	5		
Wiring								
Thermoplastic	100%			2039	**	1		
Motor Controllers								
Locally Mounted	100%			2034	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
LED	100%			2037	**			
Exterior Lighting								
HID	30%			2037	**	10		
No Component	70%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2037	**	1	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Perimeter Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$4,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	100%			2039	**			
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$1,600	
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2024	\$4,800	1		
No Component	50%							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 306**  
**Asset # : 13191**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	10%			LIFE	**	2-5	\$400
	No Component	90%						
<b>Exhaust Fans</b>								
	Roof	10%			2034	**	2	
	Wall Unit	20%			2029	\$300	2	
	No Component	70%						
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%			2039	**	1	
<b>Water Heater</b>								
	Gas Fired	100%			2027	\$2,800	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 Units</i>							
<b>Sanitary Piping</b>								
	Cast Iron	5%	0-2	\$900	LIFE	**	1	
	<i>Blockage /Clogged, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : House Trap In Basement</i>							
	Cast Iron	95%			LIFE	**	1	
<b>Storm Drain Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Sump Pump(s)</b>								
	Submersible	100%			2022	\$200	4	\$200
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
<b>Chemical System</b>								
	Generic	100%			2028	\$26,700	1-3	\$3,700
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : 1 Set</i>							

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

Estimates are rounded to the nearest hundred dollars.

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 307/LADDER CO. 154  
**Address** : 81-17 NORTHERN BOULEVARD  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.307 / 13192 **Yr Built/Renovated** : 1924 /  
**Area Sq Ft** : 6,240 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 07-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 1177 **Lot** : 36 **BIN** : 4026949

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$50,200	
Interior Architecture	\$152,300	
Electrical		\$49,900
<b>Total</b>	<b>\$202,400</b>	<b>\$49,900</b>
Importance Code A	\$50,200	
Importance Code B	\$152,300	\$49,900
<b>Total</b>	<b>\$202,400</b>	<b>\$49,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$80,300			
Interior Architecture	\$61,300		\$1,200	\$400
Electrical	\$13,300			\$100
Mechanical	\$11,200	\$1,200	\$28,200	\$1,500
Site Enclosure	\$1,800			
<b>Total</b>	<b>\$167,800</b>	<b>\$1,200</b>	<b>\$29,500</b>	<b>\$2,000</b>
Importance Code A	\$80,900	\$600	\$600	\$600
Importance Code B	\$67,400	\$600	\$28,800	\$1,400
Importance Code C	\$19,500			
<b>Total</b>	<b>\$167,800</b>	<b>\$1,200</b>	<b>\$29,500</b>	<b>\$2,000</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**  
**ENGINE CO. 307/LADDER CO. 154**  
**Asset # : 13192**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$29,900	LIFE	**	5	\$19,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear And Side Facades</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Bunker Room</i>								
Masonry: Limestone	10%			LIFE	**	5	\$3,900	
Metal Sect. OHD	15%	Now	\$24,700	2042	**	5	\$6,100	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Area - Door Inoperable At Times</i>								
Windows								
Wood	100%	Now	\$50,200	2054	**	5	\$8,800	1
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	90%	Now	\$19,300	LIFE	**	5	\$1,600	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%			LIFE	**	5-10	\$1,100	
Pre-Cast Concrete	5%			LIFE	**	5	\$1,100	
Roof								
Asphalt Shingle	20%			2038	**	10	\$400	
Modified Bitumen	60%			2034	**	10	\$6,600	
Roll Roofing	20%	Now	\$2,800	2028	\$9,300	5	\$1,800	
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Weight Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Weight Room</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific 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		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	\$53,300	LIFE	**	5	\$11,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Room</i>								
<i>Deflection Evident, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Basement Below Apparatus Room</i>								
<i>Explanation : Steel Columns Shoring Up Apparatus Room Floor</i>								
Ceramic Tile	5%	Now	\$9,900	2044	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : All Bathrooms</i>								
Quarry Tile	5%	4+	\$300	2042	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Traffic Topping	5%			2034	**	5	\$600	
Vinyl Tile	30%	Now	\$26,100	2039	**	3	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Second Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Second Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Second Floor</i>								
<i>Explanation : 9x9 Tiles</i>								
Wood	5%			2057	**	5	\$900	
Interior Walls								
Ceramic Tile	5%	Now	\$3,900	2038	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bathrooms</i>								
Masonry: Brick	20%			LIFE	**	10	\$800	
Plaster	50%	Now	\$11,300	LIFE	**	5	\$2,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor - Bunk Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor - Bunk Room</i>								
SGFT/Glazed Masonry	25%			LIFE	**	10	\$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. 307/LADDER CO. 154**  
**Asset # : 13192**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	15%			2042	**	5	\$1,500	
Exposed Concrete	30%	Now	\$99,000	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Steel Columns Shring Up Apparatus Floor.</i>								
Gypsum Board	10%			LIFE	**	5-10	\$3,500	
Plaster	45%			LIFE	**	5-10	\$7,800	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%	Now	\$1,800	2049	**			
<i>Other Observation, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Fence Inoperable</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2034	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	85%			2042	**			
Pavers/Stone	15%			2038	**			
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2029	\$4,900	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
<b>Raceway</b>								
Conduit	100%			2029	\$32,000	1		
<b>Panelboards</b>								
Fused Disc Sw	25%			2028	\$9,800	5		
Molded Case Bkrs	75%			2028	\$29,500	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. 307/LADDER CO. 154**  
**Asset # : 13192**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2029	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5		
Ground								
Grounding Devices								
Generic	100%	2-4	\$9,700	LIFE		**	5	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Lighting								
Interior Lighting								
LED	100%			2037		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : LED Light Fixtures</i>								
Exterior Lighting								
HID	15%			2024	\$3,600		10	
HID	15%	Now	\$3,600	2039		**		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Right Side Of The Building</i>								
<i>Explanation : Not Functional</i>								
No Component	70%							
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2039		**	1	
Conversion Equipment								
Steam Boiler	100%			2034		**	1	\$6,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	10%	0-2	\$500	2029	\$2,600			
<i>Leak Evident, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Valves, Various Locations</i>								
Steam Piping/Pump	90%			2029	\$23,700			
Terminal Devices								
Convactor/Radiator	100%			2027	\$31,900	1		\$2,000
Air Conditioning								
Energy Source								
Electricity	100%			2037		**	1	

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 307/LADDER CO. 154**  
**Asset # : 13192**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Reciprocating Compr/Chiller	20%	0-2	\$500	2024	\$10,100	1	\$500	
			<i>Not Energy Efficient, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Unit For Bunk Room</i>					
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Roof</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1 In Gymnasium, 1 In Bunk Room</i>					
			<i>Explanation : 2 Units</i>					
Window/Wall Unit	30%	0-2	\$1,100	2024	\$3,700	1		
			<i>Not Energy Efficient, Extent : Moderate, Area Affected : 70%</i>					
			<i>Location : Various Locations</i>					
No Component	50%							
Terminal Devices								
Fan Coil - 2 Pipe	20%			2024	\$11,300	1	\$400	
No Component	80%							
Heat Rejection								
Air Cooled Condenser Unit	20%			2024	\$1,200	2	\$900	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,700	
No Component	70%							
Exhaust Fans								
Interior	20%			2024	\$4,200	2		
Roof	10%			2024	\$1,000	2		
Wall Unit	20%	0-2	\$400	2039	**	2		
			<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Apparatus Floor</i>					
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	0-2	\$2,200	2039	**	1		
			<i>Corroded, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Causing Low Pressure In 2nd Floor</i>					
Water Heater								
Gas Fired	100%			2024	\$3,600	2	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Two 74 Gallon Units.</i>					

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 307/LADDER CO. 154**  
**Asset # : 13192**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Plumbing</b>								
Sanitary Piping Cast Iron	20%	0-2	\$2,600	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor And Backyard / Basement</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor Bathrooms</i>								
Cast Iron	80%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%	0-2	\$600	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Corroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Sump Pump(s) Non-Submersible	100%	0-2	\$900	2039	**	4	\$100	
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<b>Fixtures</b>								
Generic	100%							
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Fire Suppression</b>								
Chemical System Generic	100%			2022	\$26,700	1-3	\$4,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 308  
**Address** : 107-12 LEFFERTS BOULEVARD  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.308 / 13193 **Yr Built/Renovated** : 1926 / 2006  
**Area Sq Ft** : 5,952 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 03-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 9598 **Lot** : 10 **BIN** : 4205407

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Interior Architecture	\$67,000	
Electrical		\$25,600
Mechanical		\$42,400
Site Enclosure	\$59,100	
<b>Total</b>	<b>\$126,100</b>	<b>\$68,000</b>
Importance Code B	\$126,100	\$68,000
<b>Total</b>	<b>\$126,100</b>	<b>\$68,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$48,200		\$3,300	
Interior Architecture	\$27,700		\$300	\$900
Electrical	\$600	\$400	\$500	\$2,000
Mechanical	\$14,600	\$1,400	\$1,100	\$1,200
Site Enclosure	\$15,800			
Site Pavements	\$5,500			
<b>Total</b>	<b>\$112,400</b>	<b>\$1,800</b>	<b>\$5,200</b>	<b>\$4,100</b>
Importance Code A	\$48,800	\$600	\$3,900	\$600
Importance Code B	\$28,100	\$1,200	\$1,300	\$3,500
Importance Code C	\$35,500			
<b>Total</b>	<b>\$112,400</b>	<b>\$1,800</b>	<b>\$5,200</b>	<b>\$4,100</b>



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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**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Cast in Place Concrete	5%			LIFE	**	5	\$10,700	
Masonry: Brick	73%			LIFE	**	5	\$31,100	
Masonry: Granite	2%			LIFE	**	5	\$600	
Masonry: Limestone	10%			LIFE	**	5	\$3,200	
Metal Sect. OHD	10%			2042	**	5	\$6,700	
<b>Windows</b>								
Aluminum	100%	Now	\$16,200	2045	**	5	\$900	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor Bunk Room</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement Areaways</i>								
<b>Parapets</b>								
Masonry: Brick	90%	2-4	\$6,900	LIFE	**	5	\$2,300	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Side Facades</i>								
Masonry: Limestone	5%			LIFE	**	5-10	\$1,600	
Pre-Cast Concrete	5%			LIFE	**	5	\$1,600	
<b>Roof</b>								
Modified Bitumen	100%			2034	**	10	\$8,200	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	45%			LIFE	**	5	\$17,500	
Ceramic Tile	10%			2038	**	5	\$900	
Quarry Tile	5%			2042	**	5	\$700	
Vinyl Tile	40%			2029		3	\$1,800	
<b>Interior Walls</b>								
Cast in Place Concrete	10%			LIFE	**	10	\$3,600	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Gypsum Board	10%			LIFE	**	5-10	\$2,400	
Masonry: Brick	10%	Now	\$5,700	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Side Of Basement</i>								
Plaster	35%			LIFE	**	5-10	\$4,200	
SGFT/Glazed Masonry	35%			LIFE	**	10	\$2,500	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%			2034	**	5	\$400	
Exposed Struc: Steel	70%	Now	\$67,000	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Below Sidewalk</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Below Sidewalk</i>								
Plaster	25%			LIFE	**	5-10	\$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. 308**  
**Asset # : 13193**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	\$14,400	2039		**		
<i>Corrosion/Rusting, Extent : Light, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Retaining Walls								
Cast in Place Concrete	25%	Now	\$1,400	2079		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Areaways</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Areaways</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Areaways</i>								
Masonry: Brick	75%	Now	\$59,100	2059		**		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 75%</i>								
<i>Location : West Side Of Property</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 90%</i>								
<i>Location : West Side Of Property</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : West Side Of Property</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	\$500	2034		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$4,400	2034		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Parking/Driveway								
Cast in Place Concrete	100%	0-2	\$600	2034		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2049		**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 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. 308**  
**Asset # : 13193**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2049	**	5	\$200	
Raceway								
Conduit	70%			2029	\$22,400	1		
Conduit	30%			2049	**	1		
Panelboards								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	65%			2028	\$25,600	5	\$100	
Molded Case Bkrs	30%			2045	**	5		
Wiring								
Thermoplastic	70%			2029	\$19,800	1		
Thermoplastic	30%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2042	**	1	\$1,800	
Generators								
Diesel	100%			2038	**	1	\$2,300	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside Backyard</i>					
			<i>Explanation : One 80 Kilowatt</i>					
Batteries								
Lead/Acid	100%			2023	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2057	**	5	\$200	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside Backyard</i>					
			<i>Explanation : One 60 Gallon Tank Built-in To The Generator</i>					
<b>Lighting</b>								
Interior Lighting								
LED	100%			2039	**			
Egress Lighting								
Emergency, Service	70%			2039	**	1		
Exit, LED	30%			2069	**	1		
Exterior Lighting								
LED	100%			2039	**			
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</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**  
**ENGINE CO. 308**  
**Asset # : 13193**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2046	**	1	\$5,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2024	\$5,900	1		
No Component	50%							
Ventilation								
Exhaust Fans								
Interior	15%			2029	\$3,000	2		
No Component	85%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	\$8,500	2029	\$42,400	1		
<i>Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Water Heater								
Gas Fired	100%			2027	\$3,500	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$4,200	LIFE	**	1		
<i>Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%	Now	\$900	2039	**	4	\$100	
<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	\$26,700	1-3	\$3,700	

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 308**  
**Asset # : 13193**

Print Date : 25-Oct-2018      **FIRE DEPARTMENT - FY 2019**

<b>Asset Name</b>	: ENGINE CO. 309/LADDER CO. 159		
<b>Address</b>	: 1851 EAST 48th STREET		
<b>Borough</b>	: BROOKLYN	<b>Agency's Number</b>	: N/A
<b>Program / Asset #</b>	: FIRSECO.309 / 13194	<b>Yr Built/Renovated</b>	: 1927 /
<b>Area Sq Ft</b>	: 4,930	<b>Project Type</b>	: FIRE DEPARTMENT
<b>Date of Survey</b>	: 10-May-2018	<b>Landmark Status</b>	: NONE
<b>Areas Surveyed</b>	: Basement, Roof, Floors 1,2		
<b>Block</b>	: 8488	<b>Lot</b>	: 16
		<b>BIN</b>	: 3239495

**CAPITAL**

**Total**

Importance Code

**Total**

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$52,000		\$9,700	
Interior Architecture	\$39,300		\$2,200	
Electrical	\$200	\$100	\$100	\$100
Mechanical	\$1,600	\$900	\$27,600	\$1,300
<b>Total</b>	<b>\$93,000</b>	<b>\$1,100</b>	<b>\$39,600</b>	<b>\$1,300</b>
Importance Code A	\$52,500	\$500	\$10,200	\$500
Importance Code B	\$16,900	\$600	\$29,400	\$800
Importance Code C	\$23,600			
<b>Total</b>	<b>\$93,000</b>	<b>\$1,100</b>	<b>\$39,600</b>	<b>\$1,300</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**  
**ENGINE CO. 309/LADDER CO. 159**

**Asset # : 13194**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	73%			LIFE	**	5	\$37,800	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade</i>								
Masonry: Granite	2%			LIFE	**	5	\$800	
Masonry: Limestone	5%	Now	\$14,400	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Facade West</i>								
Metal Panel	5%			2055	**	5-10	\$8,900	
<i>Recent Construction, Extent : Light, Area Affected : 5%</i>								
<i>Location : Facade</i>								
Wood Overhead Doors	15%			2042	**	5	\$19,400	
Windows								
Aluminum	100%			2045	**	5	\$1,900	
Parapets								
Cast Stone/Terra Cotta	14%			LIFE	**	5-10	\$7,400	
Masonry: Brick	70%			LIFE	**	5-10	\$8,900	
Masonry: Limestone	8%			LIFE	**	5-10	\$1,800	
Metal Panel	8%			2055	**	5	\$600	
Roof								
Modified Bitumen	100%			2037	**	10	\$8,000	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$18,400	
Ceramic Tile	5%			2042	**	5	\$400	
Quarry Tile	5%			2042	**	5	\$600	
Vinyl Tile	40%			2034	**	3	\$1,300	
Interior Walls								
Cast in Place Concrete	20%			LIFE	**	10	\$5,800	
Gypsum Board	20%			LIFE	**	5-10	\$3,900	
Masonry: Brick	10%			LIFE	**	10	\$300	
Plaster	20%			LIFE	**	5-10	\$2,000	
SGFT/Glazed Masonry	30%	Now	\$13,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	30%			2042	**	5	\$2,500	
Exposed Concrete	40%			LIFE	**	5-10	\$4,200	
Plaster	30%			LIFE	**	5-10	\$4,300	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2055	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 309/LADDER CO. 159**

**Asset # : 13194**

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

Site Pavements

On-Site Walkways

Cast in Place Concrete	95%			2046	**			
Pavers/Stone	5%			2042	**			

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

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2055	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Electrical Room*

*Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs	100%			2055	**	5	\$100	
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Raceway

Conduit	100%			2055	**	1		
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Panelboards

Fused Disc Sw	20%			2051	**	5		
Molded Case Bkrs	80%			2051	**	5	\$100	

Wiring

Thermoplastic	100%			2055	**	1		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	100%			2037	**	10	\$4,500	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%*

*Location : Throughout The Building*

Egress Lighting

Emergency, Service	50%			2037	**	1		
Exit, LED	50%			2064	**	1		

Exterior Lighting

Fluorescent	20%			2037	**	10	\$100	
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*Compact Fluorescent Light, Extent : Light, Area Affected : 100%*

*Location : Front Of The Building*

No Component	80%							
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Alarm

Security System

No Component	70%							
Generic	30%			2037	**	1	\$600	

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

*Location : Front Of The Building*

*Explanation : CCTV Surveillance Cameras*

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 309/LADDER CO. 159**

**Asset # : 13194**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%			2039	**			
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$1,600	
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2027	\$4,900	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$400	
No Component	90%							
Exhaust Fans								
Roof	20%			2029	\$1,600	2		
Wall Unit	15%			2034	**	2		
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	**	1		
Water Heater								
Gas Fired	100%			2027	\$2,900	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units / 74 Gallons</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%	Now		2020	\$200	4	\$100	
<i>Cracked, Extent : Severe, Area Affected : 5%</i>								
<i>Location : The Pipe, Basement</i>								
Fixtures								
Generic	100%							
Fire Suppression								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 309/LADDER CO. 159**  
**Asset # : 13194**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Chemical System							
	Generic	100%			2022	\$26,700	1-3	\$4,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Kitchen</i> <i>Explanation : 1 Set</i>								

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 22-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 4699 **Lot** : 40 **BIN** : 3102909

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$200,400	\$113,900
Interior Architecture	\$37,600	
Electrical	\$89,200	
<b>Total</b>	<b>\$327,200</b>	<b>\$113,900</b>
Importance Code A	\$200,400	\$113,900
Importance Code B	\$126,900	
<b>Total</b>	<b>\$327,200</b>	<b>\$113,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$34,600			
Interior Architecture	\$49,500		\$1,000	
Electrical	\$7,100		\$14,700	\$100
Mechanical	\$13,500	\$1,400	\$4,800	\$1,100
Site Enclosure	\$25,400			
Site Pavements	\$3,500			
<b>Total</b>	<b>\$133,600</b>	<b>\$1,400</b>	<b>\$20,500</b>	<b>\$1,200</b>
Importance Code A	\$40,200	\$600	\$600	\$600
Importance Code B	\$20,000	\$800	\$19,900	\$600
Importance Code C	\$73,400			
<b>Total</b>	<b>\$133,600</b>	<b>\$1,400</b>	<b>\$20,500</b>	<b>\$1,200</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**  
**ENGINE CO. 310/LADDER CO. 174**

**Asset # : 13195**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$154,800	LIFE	**	5	\$16,800	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Facade At Door</i>								
<i>Explanation : Lintel Over Door Rusted, Bricks At Support Points Bulging And Cracked</i>								
Masonry: Limestone	5%			LIFE	**	5	\$800	
Metal Sect. OHD	15%			2044	**	5	\$9,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Wall</i>								
<i>Explanation : Recent Replacement</i>								
Windows								
Aluminum	100%			2040	**	5	\$1,700	
Parapets								
Cast Stone/Terra Cotta	10%	0-2	\$2,700	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	85%	Now	\$31,100	LIFE	**	5	\$1,800	
<i>Diagonal Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%			LIFE	**	5	\$100	
Roof								
Built-Up (BUR)	100%	0-2	\$45,600	2029	\$113,900			
<i>Alligatoring, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Main Roof At Drains</i>								
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$9,700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	10%			2039	**	5	\$1,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%			2044	**	5	\$1,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	55%			2034	**	3	\$3,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 310/LADDER CO. 174**  
**Asset # : 13195**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	20%			LIFE	**			
Ceramic Tile	5%			2039	**	5	\$600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Gypsum Board	5%			LIFE	**	5	\$400	
Plaster	40%	Now	\$15,800	LIFE	**	5	\$1,500	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Locker Room</i>								
SGFT/Glazed Masonry	30%	2-4	\$28,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	35%	0-2	\$5,000	2037	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Plaster	65%	Now	\$37,600	LIFE	**	5	\$3,500	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Locker Room - Throughout</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%	0-2	\$25,400	2054	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%	0-2	\$1,700	2037	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%	0-2	\$1,800	2037	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%	2-4	\$4,900	2054	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Electrical Room</i>								
<i>Explanation : 200 Amperes Switch Has Outside Enclosure Rust, Not Penetrating Metal Cabinet</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 310/LADDER CO. 174**

**Asset # : 13195**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Switchgear / Switchboard Molded Case Bkrs	100%	2-4	\$49,900	2054	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Electric Room</i>								
<i>Explanation : External Rust On Cabinet</i>								
Raceway								
Conduit	80%			2024	\$25,600	1		
Conduit	20%			2044	**	1		
Panelboards								
Molded Case Bkrs	100%			2023	\$39,400	5	\$200	
Wiring								
Thermoplastic	100%			2024	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2022	\$14,700	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : Controls For Heating System</i>								
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	90%			2034	**	10	\$4,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Firehouse</i>								
<i>Explanation : T-8 Lamps Installed</i>								
Fluorescent	10%			2020	\$1,600	10	\$500	
Exterior Lighting HID	100%			2024	\$22,600	10		
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source Natural Gas	100%			2044	**	1		
Conversion Equipment Steam Boiler	100%			2037	**	1	\$5,800	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 310/LADDER CO. 174**  
**Asset # : 13195**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Distribution								
Central Plant Steam Piping/Pmp	100%	0-2	\$9,500	2034	**	4	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : First Floor</i>								
<i>Explanation : Converted From One Pipe To Two Pipe System. This Change Is Causing Problems On The Upper Floor</i>								
Terminal Devices								
Convactor/Radiator	100%			2029	\$30,100	1	\$1,900	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Split Unit	10%			2034	**			
<i>Recent Installation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Window/Wall Unit	20%			2020	\$2,300	1		
No Component	70%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	25%			LIFE	**	2-5	\$800	
Ductwork/Diffusers	25%			LIFE	**	2-5	\$800	
No Component	50%							
Exhaust Fans								
Roof	25%	0-2	\$200	2024	\$2,300	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Defective Toilet Exhaust Fan</i>								
Roof	50%			2032	**	2	\$100	
Wall Unit	25%			2032	**	2		
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2034	**	1		
Water Heater								
Gas Fired	100%			2022	\$3,400	2	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : One 74 Gallon Unit / Old Unit Remaining In Corner</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$200	4	\$200	
Backflow Preventer								
Generic	100%			2029	\$1,400	1	\$400	
Fixtures								
Generic	100%							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 310/LADDER CO. 174**  
**Asset # : 13195**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>			
<b>System</b>	<b>Component</b>	<b>% of</b>	<b>Fail Date</b>	<b>Estimated Cost</b>	<b>Year</b>	<b>Estimated Cost</b>	<b>Cycle</b>	<b>Estimated Cost</b>	<b>Priority</b>
	<b>Type</b>	<b>Total</b>	<b>(Years)</b>		<b>FY</b>		<b>(Yrs)</b>		
Fire Suppression	Chemical System								
	Generic	100%			2024	\$26,700	1-3	\$3,700	

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 311/LADDER CO. 158  
**Address** : 145-50 SPRINGFIELD BOULEVARD  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.311 / 13196 **Yr Built/Renovated** : 1927 / 2006  
**Area Sq Ft** : 5,780 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 28-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 13361 **Lot** : 200 **BIN** : 4286093

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$45,400	
Interior Architecture	\$175,400	\$50,900
Electrical		\$79,400
<b>Total</b>	<b>\$220,800</b>	<b>\$130,200</b>
Importance Code A	\$45,400	
Importance Code B	\$175,400	\$130,200
<b>Total</b>	<b>\$220,800</b>	<b>\$130,200</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$21,300			
Interior Architecture	\$54,300			\$1,400
Electrical	\$26,400			\$100
Mechanical	\$5,600	\$1,400	\$1,700	\$1,200
Site Enclosure	\$200			
Site Pavements	\$3,600			
<b>Total</b>	<b>\$111,300</b>	<b>\$1,400</b>	<b>\$1,700</b>	<b>\$2,700</b>
Importance Code A	\$21,800	\$600	\$600	\$600
Importance Code B	\$60,200	\$800	\$1,100	\$1,800
Importance Code C	\$29,300			\$300
<b>Total</b>	<b>\$111,300</b>	<b>\$1,400</b>	<b>\$1,700</b>	<b>\$2,700</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 311/LADDER CO. 158**  
**Asset # : 13196**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2049	**	10	\$700	
Masonry: Brick	70%	Now	\$45,400	LIFE	**	5	\$14,800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : North Side</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Side</i>								
Masonry: Granite	2%			LIFE	**	5	\$600	
Masonry: Limestone	8%			LIFE	**	5	\$2,500	
Wood Overhead Doors	10%			2034	**	5	\$10,500	
Windows								
Aluminum	100%			2045	**	5	\$1,800	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$5,100	
Masonry: Brick	90%			LIFE	**	5-10	\$11,000	
Roof								
Modified Bitumen	97%	2-4	\$5,700	2034	**			
<i>Blisters, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	3%			2055	**	10	\$900	
Soffits								
Alum/Vinyl Siding	100%			2049	**	10		
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$77,700	LIFE	**	5	\$12,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Through Apparatus Floor Into Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	5%			2038	**	5	\$700	
Quarry Tile	15%	Now	\$6,400	2042	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Kitchen</i>								
Vinyl Tile	40%	Now	\$15,300	2024	\$50,900	3	\$2,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 311/LADDER CO. 158**  
**Asset # : 13196**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	20%	0-2	\$16,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
Ceramic Tile	5%			2038	**	5	\$600	
Plaster	45%	Now	\$4,600	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Wall</i>								
SGFT/Glazed Masonry	30%	0-2	\$7,300	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	5%	0-2	\$700	2034	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Kitchen</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout Kitchen</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout Kitchen</i>								
Exposed Concrete	55%	Now	\$97,600	LIFE	**	5	\$800	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Side Of Building</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Underside Of Apparatus Floor Slab In Cellar</i>								
<i>Explanation : Structurally Insufficient</i>								
Plaster	40%			LIFE	**	5-10	\$6,200	
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	15%	4+	\$200	2049	**			
<i>Impact Damage, Extent : Light, Area Affected : 10%</i>								
<i>Location : North Side</i>								
Wood	85%			2027			\$32,100	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$1,000	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
On-Site Walkways								
Cast in Place Concrete	10%			2042	**			
Wood	90%			2024		1-3		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 311/LADDER CO. 158**  
**Asset # : 13196**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Site Pavements</b>								
Parking/Driveway								
Asphalt	75%			2038		**		
Cast in Place Concrete	25%	Now	\$1,200	2042		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Apron</i>								
<i>Sinking/Subsiding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Apron</i>								
<hr/>								
<b>Activity Yard</b>								
Cast in Place Concrete	100%	4+	\$1,400	2042		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<hr/>								
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Molded Case Bkrs	100%			2029	\$4,900	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
<hr/>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
<hr/>								
Raceway								
Conduit	20%			2049		**	1	
Conduit	80%			2029	\$25,600		1	
<hr/>								
Panelboards								
Fused Disc Sw	5%			2028	\$2,000		5	
Molded Case Bkrs	20%			2045		**	5	
Molded Case Bkrs	75%			2028	\$29,500		5	\$100
<hr/>								
Wiring								
Braided Cloth	80%	0-2	\$22,700	2054		**	1	
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<hr/>								
Thermoplastic								
	20%			2049		**	1	
<hr/>								
Motor Controllers								
Locally Mounted	100%			2027	\$14,700		5	
<hr/>								
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE		**	5	\$200
<hr/>								
<b>Stand-by Power</b>								
Transfer Switches								
Under Construction	100%							
<hr/>								
Generators								
Under Construction	100%							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 311/LADDER CO. 158**  
**Asset # : 13196**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power								
Batteries								
Under Construction	100%							
Fuel Storage								
Under Construction	100%							
Lighting								
Interior Lighting								
Fluorescent	75%	Now	\$3,600	2024	\$12,000			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-12 Lamps</i>								
Fluorescent	20%			2034	**	10	\$1,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage 1st Floor</i>								
Incandescent	5%			2024	\$1,900	2		
Exterior Lighting								
HID	100%			2024	\$22,300	10		
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$5,700	
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Window/Wall Unit	40%			2027	\$4,600	1		
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,100	
Exhaust Fans								
Interior	100%			2029	\$19,700	2	\$200	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2034	**	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. 311/LADDER CO. 158**  
**Asset # : 13196**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Water Heater Gas Fired	100%			2028	\$3,400	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Units</i>					
Sanitary Piping	Cast Iron	100%	Now	\$2,000	LIFE	**	1	
			<i>Leak Evident, Extent : Severe, Area Affected : 15%</i>					
			<i>Location : Basement When It Rains</i>					
Storm Drain Piping	Cast Iron	100%	Now	\$600	LIFE	**	1	
			<i>Leak Evident, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : Basement, High Water Table</i>					
Sump Pump(s)	Submersible	100%			2022	\$200	4	\$200
Fixtures	Generic	100%						
Fire Suppression	Chemical System Generic	100%			2027	\$26,700	1-3	\$3,700

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

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 312  
**Address** : 22-63 35th STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.312 / 13197 **Yr Built/Renovated** : 1928 /  
**Area Sq Ft** : 4,590 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 27-Apr-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 822 **Lot** : 7 **BIN** : 4016405

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$48,400			
Interior Architecture	\$35,100		\$100	\$700
Electrical	\$500	\$300	\$300	\$300
Mechanical	\$1,300	\$1,300	\$900	\$1,000
Site Pavements	\$2,200			
<b>Total</b>	<b>\$87,500</b>	<b>\$1,700</b>	<b>\$1,400</b>	<b>\$2,100</b>
Importance Code A	\$48,800	\$500	\$500	\$500
Importance Code B	\$26,900	\$1,200	\$900	\$1,000
Importance Code C	\$11,800			\$600
<b>Total</b>	<b>\$87,500</b>	<b>\$1,700</b>	<b>\$1,400</b>	<b>\$2,100</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**  
**ENGINE CO. 312**  
**Asset # : 13197**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$25,800	
Masonry: Granite	8%			LIFE	**	5	\$2,100	
Masonry: Limestone	10%	0-2	\$19,200	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	7%	0-2	\$7,800	2034	**	5	\$3,000	
<i>Deteriorated Finish, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Door</i>								
<i>Explanation : Malfunctioning</i>								
Windows								
Aluminum	100%	Now	\$400	2045	**	5	\$200	
<i>Unit Inoperable, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Engine Office</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$1,800	
Masonry: Brick	90%	4+	\$1,700	LIFE	**	5	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parapet Wall</i>								
<i>Explanation : Loose And Missing Cap Flashing</i>								
Roof								
Modified Bitumen	95%	4+	\$1,700	2034	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Bunker Room</i>								
Skylight, Metal/Glass	5%	0-2	\$2,400	2039	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout, Bathroom</i>								
Interior								
Floors								
Cast in Place Concrete	50%	0-2	\$1,800	LIFE	**	5	\$7,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	13%	0-2	\$900	2038	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Terrazzo	4%	0-2	\$700	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout, Toilet Room</i>								
Traffic Topping	20%	Now	\$900	2029	\$17,400	5	\$900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	13%	Now	\$7,800	2039	**	3	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 312**  
**Asset # : 13197**

<b>Architecture</b>		<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>	
<b>Interior</b>									
<b>Interior Walls</b>									
Cast in Place Concrete	25%			LIFE	**	10	\$6,000		
Ceramic Tile	13%			2038	**	5	\$1,200		
Gypsum Board	10%	0-2	\$200	LIFE	**	5	\$600		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
Marble Panels	7%	0-2	\$2,700	LIFE	**				
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Plaster	25%	Now	\$1,900	LIFE	**	5	\$700		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Around Window In Bunker Room 2nd Floor</i>									
SGFT/Glazed Masonry	20%			LIFE	**	10	\$1,000		
<b>Ceilings</b>									
AcousTileSusp.Lay-In	7%	Now	\$2,400	2034	**	5	\$200		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>									
<i>Location : Female Bathroom</i>									
AcousTileSusp.Lay-In	3%			2042	**	5	\$200		
Exposed Struc: Steel	30%			LIFE	**	10	\$4,100		
Gypsum Board	20%			LIFE	**	5-10	\$4,700		
Plaster	40%	Now	\$1,800	LIFE	**	5	\$1,700		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>									
<i>Location : Bunker Room</i>									
<b>Site Enclosure</b>									
<b>Fence/Gates</b>									
Chain Link	100%			2039	**				
<b>Site Pavements</b>									
<b>Public Sidewalk</b>									
Cast in Place Concrete	100%	0-2	\$2,200	2042	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : 35th Street</i>									
<b>On-Site Walkways</b>									
Cast in Place Concrete	100%			2034	**				
<b>Parking/Driveway</b>									
Cast in Place Concrete	100%			2034	**				

<b>Electrical</b>		<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>	
<b>Under 600 Volts</b>									
<b>Service Equipment</b>									
Molded Case Bkrs	100%			2049	**	5	\$100		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 312**  
**Asset # : 13197**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Under 600 Volts								
Raceway								
Conduit	95%			2029	\$30,400	1		
Conduit	5%			2049	**	1		
Panelboards								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	95%			2045	**	5	\$100	
Wiring								
Thermoplastic	10%			2029	\$2,800	1		
Thermoplastic	90%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2042	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2049	**	1	\$1,400	
Generators								
Diesel	100%			2044	**	1	\$1,800	
					<i>Other Observation, Extent : Light, Area Affected : 100%</i>			
					<i>Location : Outside Backyard</i>			
					<i>Explanation : One 60 Kilowatt</i>			
Batteries								
Lead/Acid	100%			2024	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2069	**	5	\$100	
					<i>Other Observation, Extent : Light, Area Affected : 100%</i>			
					<i>Location : Outside Backyard</i>			
					<i>Explanation : One 120 Gallon</i>			
Lighting								
Interior Lighting								
Fluorescent	99%			2034	**	10	\$4,200	
					<i>Other Observation, Extent : Light, Area Affected : 100%</i>			
					<i>Location : Throughout The Building</i>			
					<i>Explanation : T-8 Lamps</i>			
Incandescent	1%			2024	\$300	2		
Egress Lighting								
Emergency, Service	70%			2034	**	1		
Exit, Service	30%			2034	**	1		
Exterior Lighting								
HID	100%			2034	**	10		

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

## 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. 312**  
**Asset # : 13197**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
Energy Source	Natural Gas	100%			2055	**	1	
Conversion Equipment	Steam Boiler	100%			2042	**	1	\$4,600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution	Central Plant Steam Piping/Pmp	100%			2049	**	4	\$300
Terminal Devices	Convactor/Radiator	100%			2042	**	1	\$1,500
<b>Air Conditioning</b>								
Energy Source	Electricity	100%			2045	**	1	
Conversion Equipment	Window/Wall Unit	50%			2027	\$4,600	1	
	No Component	50%						
<b>Ventilation</b>								
Distribution	Ductwork/Diffusers	15%			LIFE	**	2-5	\$600
	No Component	85%						
Exhaust Fans	Roof	15%			2034	**	2	
	Wall Unit	10%			2029	\$200	2	
	No Component	75%						
<b>Plumbing</b>								
H/C Water Piping	Brass/Copper	100%			2049	**	1	
Water Heater	Gas Fired	100%			2027	\$2,700	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%	Now	\$200	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Water Backs Up When It Rains</i>								
Sump Pump(s)	Submersible	100%			2023	\$100	4	\$100
Fixtures	Generic	100%						
<b>Fire Suppression</b>								
Chemical System	Generic	100%			2027	\$26,700	1-3	\$3,700

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057  
ENGINE CO. 312  
Asset # : 13197**

Print Date : 25-Oct-2018      **FIRE DEPARTMENT - FY 2019**

<b>Asset Name</b>	: ENGINE CO. 313/LADDER CO. 164		
<b>Address</b>	: 44-01 244th STREET		
<b>Borough</b>	: QUEENS	<b>Agency's Number</b>	: N/A
<b>Program / Asset #</b>	: FIRSECO.313 / 13198	<b>Yr Built/Renovated</b>	: 1929 /
<b>Area Sq Ft</b>	: 6,942	<b>Project Type</b>	: FIRE DEPARTMENT
<b>Date of Survey</b>	: 25-May-2018	<b>Landmark Status</b>	: NONE
<b>Areas Surveyed</b>	: Basement, Roof, Floors 1,2		
<b>Block</b>	: 8112	<b>Lot</b>	: 192
		<b>BIN</b>	: 4168901

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$93,800
Electrical		\$7,900
<b>Total</b>		<b>\$101,600</b>
Importance Code A		\$93,800
Importance Code B		\$7,900
<b>Total</b>		<b>\$101,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$58,200			
Interior Architecture	\$61,500		\$1,500	\$800
Electrical	\$100			
Mechanical	\$1,000	\$1,300	\$1,200	\$1,000
Site Pavements	\$3,600			
<b>Total</b>	<b>\$124,400</b>	<b>\$1,300</b>	<b>\$2,600</b>	<b>\$1,700</b>
Importance Code A	\$58,900	\$700	\$700	\$700
Importance Code B	\$41,900	\$600	\$1,900	\$700
Importance Code C	\$23,600			\$400
<b>Total</b>	<b>\$124,400</b>	<b>\$1,300</b>	<b>\$2,600</b>	<b>\$1,700</b>



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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 313/LADDER CO. 164**  
**Asset # : 13198**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Alum/Vinyl Siding	10%			2039	**	10	\$800	
Masonry: Brick	80%			LIFE	**	5	\$38,800	
Masonry: Granite	2%			LIFE	**	5	\$700	
Masonry: Limestone	3%			LIFE	**	5	\$1,100	
Wood Overhead Doors	5%			2034	**	5	\$6,100	
<b>Windows</b>								
Aluminum	100%	0-2	\$3,600	2051	**	5	\$800	
<i>Crtrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<b>Parapets</b>								
Cast Stone/Terra Cotta	20%			LIFE	**	5-10	\$12,900	
Masonry: Brick	80%	0-2	\$21,400	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Parapet</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Parapet</i>								
<b>Roof</b>								
Asphalt Shingle	20%	0-2	\$1,200	2032	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Where Asphalt Roof Meets Brick Exterior Wall</i>								
Modified Bitumen	10%	0-2	\$2,300	2029			\$11,700	
<i>Vegetation Growth, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Lower Roof</i>								
Modified Bitumen	70%			2029		10	\$5,900	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	55%	Now	\$12,300	LIFE	**	5	\$12,700	
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Of Basement</i>								
<i>Explanation : Water Stains / Damage Due To Water Penetrations From Walls</i>								
Ceramic Tile	10%			2032	**	5	\$1,100	
Quarry Tile	5%			2042	**	5	\$800	
Vinyl Tile	30%			2029		3	\$1,600	
<b>Interior Walls</b>								
Cast in Place Concrete	20%	Now	\$18,800	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2038	**	5	\$700	
Plaster	50%	Now	\$3,000	LIFE	**	5	\$2,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
SGFT/Glazed Masonry	25%			LIFE	**	10	\$1,800	

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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. 313/LADDER CO. 164**  
**Asset # : 13198**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
Ceilings								
AcousTileSusp.Lay-In	10%			2042	**	5	\$1,100	
Exposed Concrete	25%			LIFE	**	5-10	\$3,300	
Exposed Struc: Steel	25%			LIFE	**	10	\$5,300	
Plaster	40%	Now	\$17,000	LIFE	**	5	\$2,600	
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Back And Engine Office</i>								
<b>Site Enclosure</b>								
Fence/Gates								
Chain Link	100%			2049	**			
<b>Site Pavements</b>								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$3,600	2042	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 224th Street In Front Of Building</i>								
Parking/Driveway								
Asphalt	80%			2038	**			
Pavers/Stone	20%			2038	**			
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Molded Case Bkrs	100%			2029	\$4,900	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	90%			2029	\$28,800	1		
Conduit	10%			2059	**	1		
Panelboards								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	20%			2028	\$7,900	5		
Molded Case Bkrs	75%			2054	**	5	\$100	
Wiring								
Thermoplastic	70%			2029	\$19,800	1		
Thermoplastic	30%			2059	**	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<b>Stand-by Power</b>								
Transfer Switches								
Under Construction	100%							

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 313/LADDER CO. 164**  
**Asset # : 13198**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power								
Generators								
Under Construction	100%							
Batteries								
Under Construction	100%							
Fuel Storage								
Under Construction	100%							
Lighting								
Interior Lighting								
LED	100%			2039	**			
Egress Lighting								
Emergency, Service	70%			2039	**	1		
Exit, LED	30%			2069	**	1		
Exterior Lighting								
HID	50%			2024	\$13,400	10		
LED	50%			2039	**			

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$6,900	
Distribution								
Hot Wtr Piping/Pump	100%			2037	**	4	\$500	
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$2,200	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2039	**	2	\$200	
Window/Wall Unit	20%			2024	\$2,800	1		
No Component	30%							
Ventilation								
Exhaust Fans								
Interior	20%			2029	\$4,700	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 313/LADDER CO. 164**  
**Asset # : 13198**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Water Heater Gas Fired	100%			2024	\$4,000	2	\$100
			<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%			2022	\$200	4	\$200
	Sewage Ejector(s) Electric	100%			2029	\$1,900	4	\$400
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Light Duty / Serves Basement Bathroom Only / Connected With Extension Cord</i>					
	Backflow Preventer No Component Generic	95%			2034	**	1	
		5%						
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					
	Fixtures Generic	100%						

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

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 314  
**Address** : 142-04 BROOKVILLE BOULEVARD  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.314 / 13199 **Yr Built/Renovated** : 1929 /  
**Area Sq Ft** : 6,128 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 28-Mar-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 13538 **Lot** : 15 **BIN** : 4287743

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$434,500	
Interior Architecture	\$105,000	
Electrical		\$49,900
Site Enclosure	\$51,600	
<b>Total</b>	<b>\$591,000</b>	<b>\$49,900</b>
Importance Code A	\$434,500	
Importance Code B	\$105,000	\$49,900
Importance Code C	\$51,600	
<b>Total</b>	<b>\$591,000</b>	<b>\$49,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$24,900			
Interior Architecture	\$68,900		\$1,300	\$300
Electrical	\$12,500		\$100	
Mechanical	\$6,400	\$1,100	\$6,000	\$1,400
Site Pavements	\$31,600			
<b>Total</b>	<b>\$144,300</b>	<b>\$1,100</b>	<b>\$7,400</b>	<b>\$1,700</b>
Importance Code A	\$25,500	\$600	\$600	\$600
Importance Code B	\$56,300	\$500	\$6,200	\$1,100
Importance Code C	\$62,500		\$600	
<b>Total</b>	<b>\$144,300</b>	<b>\$1,100</b>	<b>\$7,400</b>	<b>\$1,700</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**  
**ENGINE CO. 314**  
**Asset # : 13199**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$367,300	LIFE	**	5	\$19,900	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout East Facade</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Facade Next To Door, North Facade</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Facade Next To Door</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : North And East Facade</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : North And East Facade</i>								
<i>Explanation : Moisture And Water Trapped Behind Paint And Going Through Open Joints</i>								
Masonry: Granite	2%			LIFE	**	5	\$700	
Masonry: Limestone	5%			LIFE	**	5	\$1,800	
Wood Overhead Doors	8%			2034	**	5	\$9,400	
Windows								
Aluminum	100%	4+	\$8,100	2037	**	5	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$6,000	
Masonry: Brick	90%			LIFE	**	5-10	\$13,100	
<i>Painted Surfaces, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Parapet Wall</i>								
Roof								
Modified Bitumen	100%	0-2	\$67,200	2034	**			
<i>Drains Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Explanation : Air Pockets Trapping Water</i>								

Interior

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 314**  
**Asset # : 13199**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	30%	Now	\$17,000	LIFE	**	5	\$5,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : 1st Floor - Apparatus Floor Slab</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor Slab Supported By Temp Floor Jacks In Basement</i>								
<i>Explanation : Structurally Insufficient</i>								
Cast in Place Concrete	30%	4+	\$5,700	LIFE	**	5	\$5,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement At Windows</i>								
Ceramic Tile	10%			2042	**	5	\$900	
Quarry Tile	4%			2042	**	5	\$500	
Sheet Vinyl/Rubber	1%			2034	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Laminate Wood Flooring</i>								
Vinyl Tile	25%	0-2	\$5,800	2024	\$19,300	3	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Office At North/ East</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Offices</i>								
Interior Walls								
Ceramic Tile	10%			2042	**	5	\$1,200	
Gypsum Board	10%			LIFE	**	5-10	\$2,100	
Masonry: Brick	20%	0-2	\$9,700	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	30%	Now	\$18,000	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : 2nd Floor Sleeping Rooms And Offices</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 40%</i>								
<i>Location : 2nd Floor Sleeping Areas</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : North and East Wall From The Exterior</i>								
SGFT/Glazed Masonry	30%			LIFE	**	10	\$1,800	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 314**  
**Asset # : 13199**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
Exposed Concrete	60%	Now	\$105,000	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar, Below Apparatus Slab</i>								
<i>Explanation : Structurally Insufficient</i>								
Metal Panel	10%	0-2	\$6,100	LIFE	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Plaster	30%	0-2	\$3,600	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%	Now	\$51,600	2059	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 80%</i>								
<i>Location : North Side</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 80%</i>								
<i>Location : North Side</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Asphalt	100%	Now	\$31,600	2042	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout Parking Area</i>								
<i>Potholes, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout Parking Area</i>								
<i>Sinking/Subsiding, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout Parking Area</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2029	\$4,900	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>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2029	\$49,900	5	\$200	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 314**  
**Asset # : 13199**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Under 600 Volts								
Raceway								
	Conduit	100%			2039	**	1	
Panelboards								
	Molded Case Bkrs	100%			2037	**	5	\$200
Wiring								
	Thermoplastic	100%			2039	**	1	
Ground								
Grounding Devices								
	Generic	100%	0-2	\$9,700	LIFE	**	5	\$100
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Lighting								
Interior Lighting								
	Fluorescent	50%			2029	\$8,500	10	\$2,800
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor, Basement</i>								
	Fluorescent	50%			2024	\$8,500	10	\$2,800
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, 2nd Floor</i>								
Exterior Lighting								
	HID	30%			2029	\$7,100	10	
	No Component	70%						
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Heating								
Energy Source								
	Natural Gas	100%			2049	**	1	
Conversion Equipment								
	Steam Boiler	100%			2042	**	1	\$6,100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
	Steam Piping/Pump	3%	0-2	\$200	2049	**		
<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : The Piping Behind The Boiler, Basement</i>								
	Steam Piping/Pump	97%			2039	**		
Terminal Devices								
	Convactor/Radiator	100%			2027	\$31,400	1	\$2,000
Air Conditioning								
Energy Source								
	Electricity	100%			2045	**	1	

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 314**  
**Asset # : 13199**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Air Conditioning</b>								
Conversion Equipment								
Window/Wall Unit	40%			2022	\$4,900	1		
No Component	60%							
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$500	
No Component	90%							
<b>Exhaust Fans</b>								
Roof	10%			2034	**	2		
No Component	90%							
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
Brass/Copper	100%			2039	**	1		
<b>Water Heater</b>								
Gas Fired	100%			2027	\$3,600	2	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Units</i>					
<b>Sanitary Piping</b>								
Cast Iron	100%	Now	\$4,300	LIFE	**	1		
			<i>Blockage /Clogged, Extent : Severe, Area Affected : 15%</i>					
			<i>Location : Parking Lot, Causing Flooding In Basement When It Rains.</i>					
<b>Storm Drain Piping</b>								
Cast Iron	100%			LIFE	**	1		
<b>Sump Pump(s)</b>								
Submersible	100%			2020	\$200	4	\$200	
<b>Fixtures</b>								
Generic	100%							
<b>Fire Suppression</b>								
<b>Chemical System</b>								
Generic	100%			2024	\$26,700	1-3	\$4,000	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set</i>					

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 315/LADDER CO. 125  
**Address** : 159-06 UNION TURNPIKE  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.315 / 13200 **Yr Built/Renovated** : 1929 / 2012  
**Area Sq Ft** : 5,948 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 20-Apr-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 6854 **Lot** : 28 **BIN** : 4148377

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$85,600	
Electrical		\$37,400
<b>Total</b>	<b>\$85,600</b>	<b>\$37,400</b>
Importance Code A	\$85,600	
Importance Code B		\$37,400
<b>Total</b>	<b>\$85,600</b>	<b>\$37,400</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$98,200			
Interior Architecture	\$52,600	\$500	\$600	\$900
Electrical	\$14,300			\$100
Mechanical	\$5,200	\$1,400	\$1,300	\$1,100
Site Pavements	\$2,000			
<b>Total</b>	<b>\$172,300</b>	<b>\$1,900</b>	<b>\$1,900</b>	<b>\$2,100</b>
Importance Code A	\$98,800	\$600	\$600	\$600
Importance Code B	\$38,300	\$1,300	\$1,300	\$900
Importance Code C	\$35,100			\$600
<b>Total</b>	<b>\$172,300</b>	<b>\$1,900</b>	<b>\$1,900</b>	<b>\$2,100</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**  
**ENGINE CO. 315/LADDER CO. 125**  
**Asset # : 13200**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%	0-2	\$15,000	LIFE	**	5	\$8,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Front Facade</i>								
Masonry: Brick	85%			LIFE	**	5	\$35,300	
Masonry: Granite	5%	0-2	\$12,500	LIFE	**	5	\$800	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout Front Facade</i>								
Wood Overhead Doors	5%	2-4	\$33,500	2049	**	5	\$2,600	
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Elevation Apparatus Door</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Malfunctioning Unit</i>								
Windows								
Aluminum	100%	Now	\$85,600	2054	**	5	\$1,000	
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$7,600	
Masonry: Brick	90%			LIFE	**	5-10	\$16,400	
<i>Recent Repair Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : Repointing Throughout, 2012</i>								
Roof								
Single Ply Membrane	100%			2039	**	10	\$8,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout, 2012</i>								
Interior								
Floors								
Cast in Place Concrete	55%	2-4	\$1,100	LIFE	**	5	\$11,000	
<i>Ponding, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
Ceramic Tile	5%			2032	**	5	\$500	
Quarry Tile	5%			2042	**	5	\$700	
Terrazzo	5%			LIFE	**	5	\$700	
Vinyl Tile	30%	4+	\$4,800	2029	\$23,900	3	\$1,000	
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout 2nd Floor</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 315/LADDER CO. 125**  
**Asset # : 13200**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	10%			2038	**	5	\$1,200	
Masonry: Brick	25%			LIFE	**	10	\$900	
Marble Panels	5%			LIFE	**	10	\$200	
Plaster	30%	Now	\$5,800	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Dormitory South Wall</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Dormitory South Wall</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Dormitory South Wall</i>								
SGFT/Glazed Masonry	30%	0-2	\$28,200	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Garage Area</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2046	**	5	\$900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Steel	30%			LIFE	**	10	\$5,500	
Gypsum Board	5%	Now	\$200	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 1st Floor Bathroom</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Bathroom</i>								
Plaster	55%			LIFE	**	5-10	\$8,700	
<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor, 2012</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2049	**			
<b>Retaining Walls</b>								
Cast in Place Concrete	100%			2064	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%	4+	\$2,000	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Of Building At Union Turnpike</i>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2034	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2034	**			

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

**Under 600 Volts**

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

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

\*\* 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**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2029	\$4,900	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampers Main Disconnect Switch</i>								
Raceway								
Conduit	95%			2029	\$30,400	1		
Conduit	5%			2049	**	1		
Panelboards								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	95%			2028	\$37,400	5	\$100	
Wiring								
Braided Cloth	50%	2-4	\$14,200	2054	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	40%			2029	\$11,300	1		
Thermoplastic	10%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	70%			2034	**	10	\$3,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And 1st Floor</i>								
<i>Explanation : T-8 Lamps</i>								
LED	30%			2037	**			
Exterior Lighting								
HID	100%			2024	\$22,900	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2039	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$5,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	100%			2039	**			

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 315/LADDER CO. 125**  
**Asset # : 13200**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$1,900	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Window/Wall Unit	50%	0-2	\$1,200	2024	\$5,900	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : The Units Are Down Constantly</i>						
No Component	50%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$500	
No Component	90%							
Exhaust Fans								
Roof	10%			2029	\$900	2		
Wall Unit	20%			2029	\$400	2		
No Component	70%							
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	50%			2024	\$1,700	2		
Gas Fired	50%	0-2	\$100	2027	\$1,700	2		
		<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Sanitary Piping								
Cast Iron	100%	0-2	\$2,100	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Basement And Apparatus Floor</i>						
Storm Drain Piping								
Cast Iron	100%	0-2	\$600	LIFE	**	1		
		<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Gymnasium, Basement</i>						
Sump Pump(s)								
Submersible	100%	0-2		2022	\$200	4	\$100	
		<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Fixtures								
Generic	100%							
<b>Fire Suppression</b>								
Chemical System								
Generic	100%			2027	\$26,700	1-3	\$3,700	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : 1 Set</i>						

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 315/LADDER CO. 125**  
**Asset # : 13200**

Print Date : 25-Oct-2018      **FIRE DEPARTMENT - FY 2019**

<b>Asset Name</b>	: ENGINE CO. 316		
<b>Address</b>	: 27-12 KEARNEY STREET		
<b>Borough</b>	: QUEENS	<b>Agency's Number</b>	: N/A
<b>Program / Asset #</b>	: FIRSECO.316 / 13201	<b>Yr Built/Renovated</b>	: 1929 / 2009
<b>Area Sq Ft</b>	: 6,128	<b>Project Type</b>	: FIRE DEPARTMENT
<b>Date of Survey</b>	: 03-May-2018	<b>Landmark Status</b>	: NONE
<b>Areas Surveyed</b>	: Basement, Roof, Floors 1,2		
<b>Block</b>	: 1658	<b>Lot</b>	: 5
		<b>BIN</b>	: 4041276

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Interior Architecture		\$31,200
Electrical		\$77,400
<b>Total</b>		<b>\$108,600</b>
Importance Code B		\$108,600
<b>Total</b>		<b>\$108,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$34,600		\$9,300	
Interior Architecture	\$46,400		\$400	\$1,200
Electrical	\$11,700	\$400	\$400	\$500
Mechanical	\$1,600	\$1,000	\$5,800	\$1,000
<b>Total</b>	<b>\$94,300</b>	<b>\$1,400</b>	<b>\$15,900</b>	<b>\$2,600</b>
Importance Code A	\$35,300	\$600	\$9,900	\$600
Importance Code B	\$51,000	\$800	\$6,000	\$1,400
Importance Code C	\$8,100			\$600
<b>Total</b>	<b>\$94,300</b>	<b>\$1,400</b>	<b>\$15,900</b>	<b>\$2,600</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 316**  
**Asset # : 13201**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	75%			LIFE	**	5	\$37,200	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade</i>								
Masonry: Limestone	10%			LIFE	**	5	\$3,700	
Wood Overhead Doors	15%			2042	**	5	\$18,600	
<b>Windows</b>								
Aluminum	100%			2045	**	5	\$1,800	
<b>Parapets</b>								
Cast Stone/Terra Cotta	5%			LIFE	**	5-10	\$2,900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet Wall Coping</i>								
Masonry: Brick	90%			LIFE	**	5-10	\$12,400	
Pre-Cast Concrete	5%			LIFE	**	5	\$1,300	
<b>Roof</b>								
Modified Bitumen	100%			2037	**	10	\$8,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	35%			LIFE	**	5	\$13,800	
Ceramic Tile	10%			2042	**	5	\$900	
Granite Panels	5%			LIFE	**	5	\$700	
Vinyl Tile	40%			2029	\$31,200	3	\$1,800	
Vinyl Tile	10%	Now	\$7,800	2039	**	3	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Second Floor Dormitory</i>								
<b>Interior Walls</b>								
Ceramic Tile	10%			2038	**	5	\$1,200	
Gypsum Board	15%			LIFE	**	5-10	\$3,100	
Masonry: Brick	15%	4+	\$1,500	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	5%	Now	\$1,000	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Office</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Office</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Office</i>								
Plaster	25%			LIFE	**	5-10	\$2,600	
SGFT/Glazed Masonry	30%			LIFE	**	10	\$1,900	

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. 316**  
**Asset # : 13201**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
Exposed Concrete	25%	Now	\$14,700	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Support Of Apparatus Floor Is Reinforced With Lally Columns</i>								
Plaster	70%			LIFE	**	5-10	\$10,800	
Plaster	5%	Now	\$1,200	LIFE	**	5	\$300	
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 2nd Floor Office</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	30%			2055	**			
Chain Link	70%			2039	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2046	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	60%			2046	**			
Cast in Place Concrete	40%			2034	**			
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2029	\$4,900	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>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
<b>Raceway</b>								
Conduit	20%			2055	**	1		
Conduit	80%			2029	\$25,600	1		
<b>Panelboards</b>								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	70%			2028	\$27,500	5	\$100	
Molded Case Bkrs	25%			2051	**	5		
<b>Wiring</b>								
Thermoplastic	75%			2029	\$21,200	1		
Thermoplastic	25%			2055	**	1		
<b>Ground</b>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 316**  
**Asset # : 13201**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%	0-2	\$9,700	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
<b>Stand-by Power</b>								
Transfer Switches Automatic	100%			2046	**	1	\$1,900	
Generators Diesel	100%			2042	**	1	\$2,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Emergency Generator Rated At 60 Kilowatts</i>								
Batteries Lead/Acid	100%			2024	\$1,500	5	\$200	
Fuel Storage Main Tank	100%			2064	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 125 Gallons Rated Capacity</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	25%			2024	\$4,200	10	\$1,400	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
LED	75%			2037	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : LED Light Fixtures</i>								
Exterior Lighting HID	30%			2037	**	10		
No Component	70%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2049	**	1		
Conversion Equipment Steam Boiler	100%			2042	**	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution Steam Piping/Pump	100%			2039	**			

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 316**  
**Asset # : 13201**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	100%			2042	**	1	\$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Split Unit	10%			2029	\$12,500			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Unit. R-134 Refrigerant</i>								
Split Unit	10%			2039	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 1 Unit. R-410a Refrigerant</i>								
Window/Wall Unit	40%			2022	\$4,900	1		
No Component	40%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2029	\$700	2	\$400	
Air Cooled Condenser Unit	10%			2039	**	2	\$400	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$500	
No Component	90%							
Exhaust Fans								
Roof	10%			2024	\$1,000	2		
Wall Unit	20%	0-2	\$400	2039	**	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	100%			2024	\$3,600	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>	
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Plumbing									
	Sump Pump(s) Submersible	100%	0-2	\$200	2024	\$200	4	\$100	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Basement</i>									
Fixtures									
	Generic	100%							

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 317 / LADDER CO. 165  
**Address** : 117-11 196th STREET @ LINDEN BLVD.  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.317 / 13202 **Yr Built/Renovated** : 1929 / 2011  
**Area Sq Ft** : 6,128 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 30-Mar-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 12617 **Lot** : 40 **BIN** : 4271743

**CAPITAL**

**Total**

Importance Code

**Total**

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$57,600		\$2,600	
Interior Architecture	\$34,500		\$400	\$300
Electrical	\$800	\$500	\$600	\$2,000
Mechanical	\$1,900	\$1,200	\$31,400	\$1,500
Site Enclosure	\$34,600			
Site Pavements	\$1,400			
<b>Total</b>	<b>\$130,700</b>	<b>\$1,700</b>	<b>\$35,000</b>	<b>\$3,800</b>
Importance Code A	\$58,200	\$600	\$3,200	\$600
Importance Code B	\$22,700	\$1,100	\$31,800	\$3,200
Importance Code C	\$49,800			
<b>Total</b>	<b>\$130,700</b>	<b>\$1,700</b>	<b>\$35,000</b>	<b>\$3,800</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**  
**ENGINE CO. 317 / LADDER CO. 165**

**Asset # : 13202**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	88%			LIFE	**	5	\$36,500	
Masonry: Granite	2%			LIFE	**	5	\$600	
Masonry: Limestone	5%			LIFE	**	5	\$1,600	
Wood Overhead Doors	5%			2042	**	5	\$5,200	
<b>Windows</b>								
Aluminum	100%	2-4	\$25,700	2037	**	5	\$1,000	2
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<b>Parapets</b>								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$7,600	
Masonry: Brick	90%	4+	\$7,100	LIFE	**	5	\$2,400	
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Roof</i>								
<b>Roof</b>								
Modified Bitumen	100%			2034	**	10	\$8,500	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	25%	0-2	\$2,400	LIFE	**	5	\$5,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Cast in Place Concrete	25%	0-2	\$2,400	LIFE	**	5	\$5,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Uneven Surface, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2044	**	5	\$900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout 2011 Wing</i>								
Ceramic Tile	5%	Now	\$200	2038	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Terrazzo	5%			LIFE	**	5	\$700	
Vinyl Tile	25%	0-2	\$4,000	2024	\$19,900	3	\$900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout, 2nd Floor</i>								
Wood	5%			2057	**	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. 317 / LADDER CO. 165**  
**Asset # : 13202**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	10%	0-2	\$3,800	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	10%			2044	**	5	\$1,200	
Masonry: Brick	10%	0-2	\$2,400	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	40%	0-2	\$1,900	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	30%	0-2	\$7,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%	4+	\$200	2042	**	5	\$200	
<i>Vandalism, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	70%			LIFE	**	5-10	\$8,000	
Gypsum Board	2%			LIFE	**	5-10	\$600	
Plaster	23%			LIFE	**	5-10	\$3,600	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%	Now	\$34,600	2059	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Side Yard And Rear Yard</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%	4+	\$1,400	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Of Firehouse</i>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2034	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	100%			2049	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								

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**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
	Switchgear / Switchboard							
	Molded Case Bkrs	100%			2049	**	5	\$200
	Raceway							
	Conduit	100%			2049	**	1	
	Panelboards							
	Molded Case Bkrs	100%			2045	**	5	\$200
	Wiring							
	Thermoplastic	100%			2049	**	1	
<b>Ground</b>								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$200
<b>Stand-by Power</b>								
	Transfer Switches							
	Automatic	100%			2042	**	1	\$1,900
	Generators							
	Diesel	100%			2038	**	1	\$2,400
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Backyard</i>				
				<i>Explanation : No Available Nameplate Rating Capacity</i>				
	Batteries							
	Lead/Acid	100%			2023	\$1,500	5	\$200
	Fuel Storage							
	Main Tank	100%			2057	**	5	\$200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Backyard</i>				
				<i>Explanation : 60 Gallons Rated Capacity</i>				
<b>Lighting</b>								
	Interior Lighting							
	Fluorescent	90%			2034	**	10	\$5,100
				<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Throughout The Building</i>				
	Fluorescent	10%			2034	**	10	\$600
				<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Kitchen And Offices</i>				
	Exterior Lighting							
	HID	30%			2034	**	10	
	No Component	70%						
<b>Alarm</b>								
	Security System							
	No Component	70%						
	Generic	30%			2034	**	1	\$700
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Front And Driveway</i>				
				<i>Explanation : CCTV Surveillance Cameras</i>				

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 317 / LADDER CO. 165**  
**Asset # : 13202**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2034	**	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	100%			2029	\$25,900			
Terminal Devices								
Convactor/Radiator	100%			2027	\$31,400	1	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : There Is No Heating Device In Track Office.</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Split Unit	10%			2029	\$12,500			
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1 Unit, Outside The Building.</i>								
Window/Wall Unit	40%			2024	\$4,900	1		
No Component	50%							
Terminal Devices								
Air Handler/Dir	10%			2029	\$3,300	1		
Expansion								
No Component	90%							
Heat Rejection								
Air Cooled Condenser	10%			2029	\$600	2	\$400	
Unit								
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$500	
No Component	90%							
Exhaust Fans								
Interior	10%			2029	\$2,100	2		
No Component	90%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	**	1		
Water Heater								
Gas Fired	100%			2022	\$3,600	2	\$100	
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 317 / LADDER CO. 165**

**Asset # : 13202**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	Sump Pump(s)							
	Submersible	100%			2020	\$200	4	\$200
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2022	\$26,700	1-3	\$4,000
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set</i>					

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 318/LADDER CO. 166  
**Address** : 2510 NEPTUNE AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.318 / 13203 **Yr Built/Renovated** : 1929 /  
**Area Sq Ft** : 5,746 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 10-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 7013 **Lot** : 7 **BIN** : 3188880

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$200,500	\$103,500
<b>Total</b>	<b>\$200,500</b>	<b>\$103,500</b>
Importance Code A	\$200,500	\$103,500
<b>Total</b>	<b>\$200,500</b>	<b>\$103,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$81,500		\$900	
Interior Architecture	\$69,700		\$900	\$400
Electrical	\$500	\$100		
Mechanical	\$1,000	\$700	\$700	\$800
Site Pavements	\$600			
<b>Total</b>	<b>\$153,400</b>	<b>\$800</b>	<b>\$2,700</b>	<b>\$1,200</b>
Importance Code A	\$82,100	\$500	\$1,500	\$500
Importance Code B	\$46,300	\$300	\$1,200	\$600
Importance Code C	\$25,000			
<b>Total</b>	<b>\$153,400</b>	<b>\$800</b>	<b>\$2,700</b>	<b>\$1,200</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**  
**ENGINE CO. 318/LADDER CO. 166**  
**Asset # : 13203**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	15%			2049	**	10	\$1,200	
Cast in Place Concrete	10%	Now	\$151,800	LIFE	**	5	\$13,200	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Bulkhead</i>								
Masonry: Brick	60%	Now	\$48,700	LIFE	**	5	\$15,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	3%	Now	\$9,500	LIFE	**	5	\$600	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%	0-2	\$14,700	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Elevation</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	7%	4+	\$6,000	2042	**	5	\$4,600	
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>								
<i>Location : Main Door</i>								
Windows								
Aluminum	100%			2037	**	5	\$1,900	
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$16,000	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	90%	Now	\$10,900	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	15%			2038	**	10	\$200	
Built-Up (BUR)	80%	Now	\$10,400	2024	\$103,500			
<i>Patching Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Center Of 2nd Floor Corridor</i>								
Skylight, Metal/Glass	5%	Now	\$14,100	2039	**			1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 318/LADDER CO. 166**  
**Asset # : 13203**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$4,800	LIFE	**	5	\$9,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	10%	Now	\$2,000	2038	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Terrazzo	2%			LIFE	**	5	\$300	
Vinyl Tile	33%	Now	\$5,700	2029	\$28,500	3	\$1,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
Wood	10%			2057	**	5	\$1,900	
Interior Walls								
Cast in Place Concrete	20%	0-2	\$8,800	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%	Now	\$1,900	2038	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Gypsum Board	15%			LIFE	**	5-10	\$3,500	
Masonry: Brick	30%			LIFE	**	10	\$1,200	
Plaster	30%	Now	\$10,100	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Hose Tower, Bunk Room West And Other Areas</i>								
Ceilings								
AcousTileSusp.Lay-In	10%			2034	**	5	\$1,000	
Exposed Concrete	25%			LIFE	**	5-10	\$3,100	
Gypsum Board	15%			LIFE	**	5-10	\$5,100	
Plaster	50%	Now	\$26,700	LIFE	**	5	\$3,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Hose Tower</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Corridor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2039	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$600	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 318/LADDER CO. 166**  
**Asset # : 13203**

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

## Site Pavements

## Parking/Driveway

Cast in Place Concrete	100%			2042	**			
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<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2055	**	5		
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## Raceway

Conduit	100%			2049	**	1		
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## Panelboards

Molded Case Bkrs	90%			2051	**	5	\$100	
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Molded Case Bkrs	10%			2037	**	5		
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## Wiring

Thermoplastic	100%			2049	**	1		
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## Motor Controllers

Locally Mounted	100%			2027	\$14,700	5		
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## Ground

## Grounding Devices

Not Accessible	100%							
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## Lighting

## Interior Lighting

Fluorescent	10%			2024	\$1,600	10	\$500	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%*

*Location : Throughout Building*

LED	90%			2037	**			
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*Recent Installation, Extent : Light, Area Affected : 100%*

*Location : Throughout Building*

## Egress Lighting

Emergency, Service	100%			2029	\$2,900	1		
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## Exterior Lighting

HID	100%			2029	\$22,100	10		
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<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Heating

## Energy Source

Natural Gas	100%			2049	**	1		
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 318/LADDER CO. 166**

**Asset # : 13203**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Hot Water Boiler	10%			2046	**	1	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serving Rear Lounge Area On 1st Floor</i>						
Steam Boiler	90%			2042	**	1	\$5,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	10%			2051	**	4		
Steam Piping/Pump	90%			2039	**			
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Window/Wall Unit	60%			2024		1	\$6,900	
No Component	40%							
Ventilation								
Exhaust Fans								
Roof	10%			2029	\$900	2		
Wall Unit	10%			2029	\$200	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	100%			2024	\$3,400	2	\$100	
		<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%			2020	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2027	\$500	1-3	\$100	
No Component	98%							

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

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 319  
**Address** : 78-11 67th ROAD  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.319 / 13204 **Yr Built/Renovated** : 1930 /  
**Area Sq Ft** : 6,576 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 12-Apr-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 3776 **Lot** : 56 **BIN** : 4091550

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$40,800
Interior Architecture	\$48,500	
<b>Total</b>	<b>\$48,500</b>	<b>\$40,800</b>
Importance Code A		\$40,800
Importance Code B	\$48,500	
<b>Total</b>	<b>\$48,500</b>	<b>\$40,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$82,400		\$3,200	
Interior Architecture	\$58,900		\$800	\$400
Electrical	\$100		\$100	
Mechanical	\$1,400	\$900	\$1,200	\$900
Site Enclosure				
<b>Total</b>	<b>\$142,800</b>	<b>\$900</b>	<b>\$5,300</b>	<b>\$1,300</b>
Importance Code A	\$83,100	\$700	\$3,800	\$700
Importance Code B	\$37,200	\$300	\$1,100	\$600
Importance Code C	\$22,600		\$300	
<b>Total</b>	<b>\$142,800</b>	<b>\$900</b>	<b>\$5,300</b>	<b>\$1,300</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**  
**ENGINE CO. 319**  
**Asset # : 13204**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	3%			LIFE	**	5	\$11,800	
Masonry: Brick	90%	4+	\$35,000	LIFE	**	5	\$22,700	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Foundation Wall At Storage Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Left Facade</i>								
<i>Explanation : Brushed- On Waterproofing Beginning To Peel</i>								
Masonry: Granite	1%			LIFE	**	5	\$400	
Masonry: Limestone	1%	Now	\$2,800	LIFE	**	5	\$200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	5%			2027	\$40,800	5	\$6,300	
Windows								
Aluminum	100%	Now	\$16,200	2045	**	5	\$900	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Lintel At 2nd Floor Alley Side</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor At Alley Side</i>								
Parapets								
Masonry: Brick	80%	0-2	\$18,100	LIFE	**	5	\$1,500	
<i>Paint Peeling, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Roof Parapet Wall</i>								
<i>Painted Surfaces, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet Walls</i>								
<i>Other Observation, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Roof Parapet Wall</i>								
<i>Explanation : Trapped Moisture Behind Painted Walls. Brick Spalling</i>								
Masonry: Limestone	20%			LIFE	**	5-10	\$4,700	
Roof								
Modified Bitumen	98%			2034	**	10	\$9,200	
Skylight, Metal/Glass	2%			2049	**	10	\$600	
Interior								
Floors								
Cast in Place Concrete	55%	Now	\$11,500	LIFE	**	5	\$11,800	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2032	**	5	\$1,000	
Mosaic Tile	5%	Now	\$6,000	2042	**	5	\$600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Kitchen/ Dining Area</i>								
Vinyl Tile	30%			2029	\$25,600	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**  
**ENGINE CO. 319**  
**Asset # : 13204**

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

## Interior

## Interior Walls

Cast in Place Concrete	20%	Now	\$17,500	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front And Side At Basement</i>								
Ceramic Tile	5%			2032	**	5	\$700	
Gypsum Board	5%			LIFE	**	5-10	\$1,200	
Masonry: Brick	20%			LIFE	**	10	\$800	
Plaster	25%			LIFE	**	5-10	\$2,900	
SGFT/Glazed Masonry	25%			LIFE	**	10	\$1,700	

## Ceilings

AcousTileSusp.Lay-In	15%			2034	**	5	\$1,500	
Exposed Concrete	15%	Now	\$48,500	LIFE	**	5	\$200	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement Ceiling</i>								
<i>Explanation : Insufficient To Support Apparatus Area Above</i>								
Plaster	70%	Now	\$18,500	LIFE	**	5	\$4,300	
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Apparatus Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunkroom And Lounge</i>								

## Site Enclosure

## Fence/Gates

Chain Link	100%			2029			\$13,900	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								

## Free Standing Walls

Concrete Masonry Unit	100%			2039	**			
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## Site Pavements

## On-Site Walkways

Cast in Place Concrete	100%			2042	**			
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## Parking/Driveway

Cast in Place Concrete	100%			2042	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Molded Case Bkrs	100%			2039	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated At 200 Amperes.</i>								

## Switchgear / Switchboard

Molded Case Bkrs	100%			2039	**	5	\$200	
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## Raceway

Conduit	100%			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**  
**ENGINE CO. 319**  
**Asset # : 13204**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	100%			2037	**	5	\$200	
Wiring								
Thermoplastic	100%			2039	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	95%			2029	\$17,300	10	\$5,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	5%			2024	\$2,200	2		
Exterior Lighting								
HID	30%			2024	\$7,600	10		
No Component	70%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2029	\$2,000	1	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Of The Building Only</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$6,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%			2039	**			
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$2,100	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Window/Wall Unit	40%			2024	\$5,200	1		
No Component	60%							
Ventilation								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 319**  
**Asset # : 13204**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,200	
No Component	80%							
<b>Exhaust Fans</b>								
Roof	20%			2029	\$2,100	2		
Wall Unit	25%			2029	\$600	2	\$100	
No Component	55%							
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
Brass/Copper	100%			2049	**	1		
<b>Water Heater</b>								
Gas Fired	100%			2027	\$3,800	2	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Units / 80 Gallons</i>					
<b>Sanitary Piping</b>								
Cast Iron	50%			LIFE	**	1		
Cast Iron	50%			LIFE	**	1		
<b>Storm Drain Piping</b>								
Cast Iron	100%			LIFE	**	1		
<b>Sump Pump(s)</b>								
Submersible	100%			2022	\$200	4	\$200	
<b>Backflow Preventer</b>								
No Component	95%							
Generic	5%			2037	**	1		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Boiler Only</i>					
<b>Fixtures</b>								
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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 320/LADDER CO. 167  
**Address** : 36-18 FRANCIS LEWIS BOULEVARD  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.320 / 13205 **Yr Built/Renovated** : 1931 / 2012  
**Area Sq Ft** : 4,930 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 11-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5319 **Lot** : 8 **BIN** : 4120143

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Electrical		\$49,900
<b>Total</b>		<b>\$49,900</b>
Importance Code B		\$49,900
<b>Total</b>		<b>\$49,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$43,100		\$1,600	
Interior Architecture	\$21,700		\$700	
Electrical	\$9,800			
Mechanical	\$2,000	\$1,200	\$800	\$700
<b>Total</b>	<b>\$76,600</b>	<b>\$1,200</b>	<b>\$3,100</b>	<b>\$700</b>
Importance Code A	\$43,400	\$200	\$1,900	\$200
Importance Code B	\$29,800	\$1,000	\$1,300	\$500
Importance Code C	\$3,500			
<b>Total</b>	<b>\$76,600</b>	<b>\$1,200</b>	<b>\$3,100</b>	<b>\$700</b>



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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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2039	**	10	\$600	
Masonry: Brick	20%			LIFE	**	5	\$7,200	
Masonry: Brick	50%	Now	\$27,900	LIFE	**	5	\$9,100	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Northwest Corner</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North And South Facades</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,400	
Masonry: Limestone	10%			LIFE	**	5	\$2,700	
Metal Sect. OHD	5%			2042	**	5	\$2,800	
Windows								
Aluminum	100%			2045	**	5	\$500	
Parapets								
Masonry: Brick	85%			LIFE	**	5-10	\$8,500	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%			LIFE	**	5-10	\$1,800	
Pre-Cast Concrete	5%			LIFE	**	5	\$900	
Roof								
Asphalt Shingle	15%			2032	**	10	\$200	
Modified Bitumen	85%			2034	**	10	\$6,700	
Interior								
Floors								
Cast in Place Concrete	55%			LIFE	**	5	\$20,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	10%			2042	**	5	\$800	
Quarry Tile	5%			2034	**	5	\$600	
Vinyl Tile	30%			2034	**	3	\$900	
Interior Walls								
Cast in Place Concrete	10%			LIFE	**	10	\$1,100	
Ceramic Tile	15%			2025	\$18,200	5	\$600	
Gypsum Board	15%			LIFE	**	5-10	\$1,100	
Plaster	35%			LIFE	**	5-10	\$1,300	
SGFT/Glazed Masonry	25%			LIFE	**	10	\$500	
Ceilings								
AcousTileSusp.Lay-In	10%			2034	**	5	\$800	
Exposed Concrete	30%			LIFE	**	5-10	\$3,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Plaster	60%			LIFE	**	5-10	\$8,600	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	**			
Site Pavements								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 320/LADDER CO. 167**  
**Asset # : 13205**

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

## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%			2042	**			
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## Parking/Driveway

Cast in Place Concrete	100%			2042	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2029	\$4,900	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%			2029	\$49,900	5		
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## Raceway

Conduit	100%			2049	**	1		
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## Panelboards

Molded Case Bkrs	100%			2045	**	5	\$100	
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## Wiring

Thermoplastic	100%			2049	**	1		
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## Motor Controllers

Locally Mounted	100%			2042	**	5		
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## Ground

## Grounding Devices

Generic	100%	2-4	\$9,700	LIFE	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : Corroded*

## Lighting

## Interior Lighting

LED	100%			2037	**			
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : LED Lights*

## Egress Lighting

Emergency, Battery	50%			2037	**	10	\$600	
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Exit, LED	50%			2064	**	1		
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## Exterior Lighting

Incandescent	5%			2024	\$800	2		
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LED	25%			2037	**			
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No Component	70%							
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 320/LADDER CO. 167**  
**Asset # : 13205**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2055	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2042	**	1	\$2,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2045	**	4	\$400	
Terminal Devices								
Convactor/Radiator	80%			2042	**	1	\$1,300	
Unit Heater - Steam	20%			2034	**	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Split Unit	5%			2037	**			
Window/Wall Unit	50%			2028	\$4,900	1		
Window/Wall Unit	10%	Now	\$1,000	2029	\$1,000	1		
<i>Obsolete Equipment, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Gymnasium</i>								
No Component	35%							
Terminal Devices								
Fan Coil - 2 Pipe	5%			2037	**	1	\$100	
No Component	95%							
Heat Rejection								
Air Cooled Condenser Unit	5%			2037	**	2	\$200	
No Component	95%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$900	
No Component	80%							
Exhaust Fans								
Roof	20%			2029	\$1,600	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2055	**	1		
Water Heater								
Gas Fired	100%			2027	\$2,900	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 320/LADDER CO. 167**  
**Asset # : 13205**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%			2037	**	4	\$200
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2027	\$26,700	1-3	\$3,700

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 321  
**Address** : 2165 GERRITSEN AVENUE @ AVENUE U  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.321 / 13206 **Yr Built/Renovated** : 1930 / 2011  
**Area Sq Ft** : 6,128 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 10-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 8817 **Lot** : 49 **BIN** : 3248186

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$173,500	
<b>Total</b>	<b>\$173,500</b>	
Importance Code A	\$173,500	
<b>Total</b>	<b>\$173,500</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$101,900		\$4,700	
Interior Architecture	\$85,500		\$1,500	\$1,400
Electrical	\$500	\$1,000	\$500	\$400
Mechanical	\$2,300	\$900	\$1,500	\$1,200
<b>Total</b>	<b>\$190,200</b>	<b>\$1,900</b>	<b>\$8,200</b>	<b>\$3,000</b>
Importance Code A	\$102,600	\$600	\$5,300	\$600
Importance Code B	\$64,500	\$1,200	\$2,900	\$1,000
Importance Code C	\$23,200			\$1,400
<b>Total</b>	<b>\$190,200</b>	<b>\$1,900</b>	<b>\$8,200</b>	<b>\$3,000</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 321**  
**Asset # : 13206**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$173,500	LIFE	**	5	\$18,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Southeast Elevation</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	2%			LIFE	**	5	\$700	
Masonry: Limestone	5%	Now	\$26,200	LIFE	**	5	\$900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Southwest And Southeast Elevations</i>								
Metal Panel	4%	Now	\$300	2049	**	5	\$1,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 25%</i>								
<i>Location : Southwest Elevation Of Bulkhead</i>								
Slate Panels	1%	Now	\$2,500	LIFE	**	5	\$200	
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Slate Window Sills</i>								
Wood Overhead Doors	8%			2042	**	5	\$9,400	
Windows								
Aluminum	98%			2045	**	5	\$1,900	
Wood	2%	0-2	\$1,100	2054	**	5	\$200	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Tower Section</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$2,900	LIFE	**	5	\$1,700	
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Northwest Parapet</i>								
Masonry: Brick	80%	Now	\$20,900	LIFE	**	5	\$1,800	1
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Corners</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%			LIFE	**	5-10	\$2,700	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 321**  
**Asset # : 13206**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Built-Up (BUR)	98%	Now	\$26,600	2034	**			
<i>Patching Evident, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Toilets And Locker Room</i>								
Skylight, Metal/Glass	2%	Now	\$17,700	2049	**			
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$29,200	LIFE	**	5	\$10,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement And Apparatus Floor</i>								
Ceramic Tile	30%			2042	**	5	\$2,800	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Terrazzo	5%			LIFE	**	5	\$700	
Vinyl Tile	15%			2034	**	3	\$500	
Interior Walls								
Cast in Place Concrete	20%	0-2	\$9,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	20%			2038	**	5	\$2,800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 75%</i>								
<i>Location : Toilets And Laundry</i>								
Masonry: Brick	15%	0-2	\$4,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	35%	Now	\$4,100	LIFE	**	5	\$1,500	
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Hose Room</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Hose Room</i>								
Wood	10%			LIFE	**	5	\$11,400	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 321**  
**Asset # : 13206**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2049	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Toilet</i>								
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Toilets</i>								
Exposed Concrete	20%	Now	\$27,100	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Gypsum Board	5%			LIFE	**	5-10	\$1,800	
Plaster	65%	4+	\$4,500	LIFE	**	5	\$4,200	
<i>Paint Peeling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Hose Room</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2049	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2049	**			
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2039	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Service Room</i>								
<i>Explanation : The Service Equipment Consists Of A 200 Ampere Switch Which Is In Good Condition.</i>								
<b>Raceway</b>								
Conduit	100%			2039	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2037	**	5	\$200	
<b>Wiring</b>								
Thermoplastic	100%			2039	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2034	**	5		
<b>Ground</b>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 321**  
**Asset # : 13206**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : The Ground Is Connected To The Water Main. It Is In Good Condition.</i>								
<b>Stand-by Power</b>								
Transfer Switches Automatic	100%			2046	**	1	\$1,900	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Generators Diesel	100%			2042	**	1	\$2,400	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outdoor</i>								
Batteries Not Accessible	100%							
Fuel Storage Day Tank	100%			2051	**	5	\$1,100	
<b>Lighting</b>								
Interior Lighting Fluorescent	80%			2037	**	10	\$4,500	
<i>T-5 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
Fluorescent	20%			2034	**	10	\$1,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
Egress Lighting Exit, Service	50%			2034	**	1		
Exit, Battery	50%			2029	\$1,100	10	\$200	
Exterior Lighting HID	100%			2029	\$23,600	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2055	**	1		
Conversion Equipment Steam Boiler	100%			2042	**	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Boiler</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2039	**	4	\$300	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 321**  
**Asset # : 13206**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
	Terminal Devices							
	Convactor/Radiator	100%			2034	**	1	\$2,000
<b>Air Conditioning</b>								
	Energy Source							
	Electricity	100%			2045	**	1	
	Conversion Equipment							
	Split Unit	20%			2034	**		
	Window/Wall Unit	40%			2024	\$4,900	1	
	No Component	40%						
	Distribution							
	Ductwork/Diffusers	20%			LIFE	**	2	\$2,000
	No Component	80%						
<b>Ventilation</b>								
	Distribution							
	Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,700
	No Component	50%						
	Exhaust Fans							
	Roof	50%			2029	\$4,900	2	\$100
	Wall Unit	50%			2034	**	2	\$100
<b>Plumbing</b>								
	H/C Water Piping							
	Galvanized Steel	100%			2034	**	1	
				<i>No Water Meter, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
	Water Heater							
	Gas Fired	100%			2027	\$3,600	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 Units, 74 Gallons Each</i>				
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2023	\$200	4	\$200
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Chemical System							
	Wet	2%			2027	\$500	1-3	\$100
	No Component	98%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 323  
**Address** : 6405 AVENUE N  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.323 / 13207 **Yr Built/Renovated** : 1932 / 2007  
**Area Sq Ft** : 6,802 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 14-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 8364 **Lot** : 6 **BIN** : 3235919

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Interior Architecture	\$110,300	
Mechanical		\$48,500
<b>Total</b>	<b>\$110,300</b>	<b>\$48,500</b>
Importance Code B	\$110,300	\$48,500
<b>Total</b>	<b>\$110,300</b>	<b>\$48,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$71,900		\$1,300	
Interior Architecture	\$69,200			\$2,800
Electrical	\$800	\$500	\$700	\$2,100
Mechanical	\$4,600	\$1,500	\$1,400	\$2,000
<b>Total</b>	<b>\$146,400</b>	<b>\$2,000</b>	<b>\$3,400</b>	<b>\$6,900</b>
Importance Code A	\$72,600	\$700	\$2,000	\$700
Importance Code B	\$58,400	\$1,400	\$1,500	\$3,900
Importance Code C	\$15,500			\$2,300
<b>Total</b>	<b>\$146,400</b>	<b>\$2,000</b>	<b>\$3,400</b>	<b>\$6,900</b>



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. 323**  
**Asset # : 13207**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	3%			LIFE	**	5	\$10,600	
Masonry: Brick	87%	Now	\$30,300	LIFE	**	5	\$19,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,700	
Wood Overhead Doors	5%	2-4	\$11,000	2042	**	5	\$2,800	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Of Building</i>								
Windows								
Aluminum	100%	Now	\$8,700	2045	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Bathroom</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$7,100	
Masonry: Brick	45%			LIFE	**	5-10	\$7,700	
Masonry: Granite	5%			LIFE	**	5-10	\$1,700	
Stucco Cement	40%			2042	**	5	\$2,600	
Roof								
Modified Bitumen	100%	4+	\$2,500	2034	**			
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Lower Roof</i>								
Interior								
Floors								
Cast in Place Concrete	53%	Now	\$53,800	LIFE	**	5	\$11,100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Steel Columns And Beams Shoring Up Apparatus Floor From Basement Below</i>								
Quarry Tile	2%	Now	\$300	2042	**	5	\$100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Terrazzo	3%	Now	\$2,700	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	40%	Now	\$33,200	2039	**	3	\$1,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Vinyl Tile 9" X 9"	2%	Now	\$2,100	2039	**	3	\$100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : House Watch</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 323**  
**Asset # : 13207**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	20%	Now	\$8,500	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	35%			2038	**	5	\$4,600	
Marble Panels	5%	Now	\$2,700	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	40%	Now	\$4,300	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Ladder To Roof</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Ladder To Roof</i>								
<b>Ceilings</b>								
Exposed Concrete	60%	Now	\$56,500	LIFE	**	5	\$900	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	40%	Now	\$15,400	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Ladder To Roof</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2039	**			
<b>Free Standing Walls</b>								
Concrete Masonry Unit	100%			2039	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2049	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2049	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2039	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2039	**	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. 323**  
**Asset # : 13207**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
Raceway								
	Conduit	100%			2039	**	1	
Panelboards								
	Fused Disc Sw	10%			2037	**	5	
	Molded Case Bkrs	90%			2037	**	5	\$200
Wiring								
	Thermoplastic	100%			2039	**	1	
Motor Controllers								
	Locally Mounted	100%			2034	**	5	
<b>Ground</b>								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$200
<b>Stand-by Power</b>								
Transfer Switches								
	Automatic	100%			2042	**	1	\$2,100
Generators								
	Diesel	100%			2038	**	1	\$2,600
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Side Yard</i>				
				<i>Explanation : Emergency Generator Rated At 40 Kilowatts</i>				
Batteries								
	Lead/Acid	100%			2023	\$1,500	5	\$300
Fuel Storage								
	Main Tank	100%			2057	**	5	\$200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Side Yard</i>				
				<i>Explanation : 50 Gallons Rated Capacity</i>				
<b>Lighting</b>								
Interior Lighting								
	Fluorescent	25%			2029	\$4,700	10	\$1,600
				<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
	LED	75%			2037	**		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 1st And 2nd Floor</i>				
				<i>Explanation : LED Light Fixtures</i>				
Egress Lighting								
	Emergency, Service	100%			2034	**	1	
Exterior Lighting								
	HID	15%			2029	\$3,900	10	
	LED	15%			2037	**		
	No Component	70%						
<b>Alarm</b>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 323**  
**Asset # : 13207**

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

## Alarm

## Security System

No Component

70%

Generic

30%

2037

\* \*

1

\$800

*Other Observation, Extent : Light, Area Affected : 100%**Location : Front And Right Side Of The Building**Explanation : CCTV Surveillance Cameras*

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

## Heating

## Energy Source

Natural Gas

100%

2049

\* \*

1

## Conversion Equipment

Steam Boiler

100%

2042

\* \*

1

\$6,700

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

## Distribution

Steam Piping/Pump

100%

2039

\* \*

## Terminal Devices

Convactor/Radiator

100%

2042

\* \*

1

\$2,200

## Air Conditioning

## Energy Source

Electricity

100%

2045

\* \*

1

## Conversion Equipment

Reciprocating

15%

2037

\* \*

1

\$500

Compr/Chiller

*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : 1 Unit, R-410a*

Split Unit

5%

2037

\* \*

*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : 1 Unit, R-410a*

Window/Wall Unit

30%

2024

\$4,100

1

No Component

50%

## Terminal Devices

Fan Coil - 2 Pipe

20%

2037

\* \*

1

\$400

No Component

80%

## Heat Rejection

Dry Cooler

20%

2037

\* \*

2

\$900

No Component

80%

## Ventilation

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 323**  
**Asset # : 13207**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	25%			LIFE	**	2-5	\$1,500
	No Component	75%						
<b>Exhaust Fans</b>								
	Interior	15%			2037	**	2	
	Roof	10%			2029	\$1,100	2	
	Wall Unit	25%			2034	**	2	\$100
	No Component	50%						
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%			2029	\$48,500	1	
<b>Water Heater</b>								
	Gas Fired	100%			2027	\$4,000	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 Units / 75 Gallons</i>							
<b>Sanitary Piping</b>								
	Cast Iron	100%	0-2	\$2,400	LIFE	**	1	
	<i>Blockage /Clogged, Extent : Moderate, Area Affected : 15%</i>							
	<i>Location : Water Backs Up To Kitchen And Apparatus Floor</i>							
<b>Sump Pump(s)</b>								
	Submersible	100%			2023	\$200	4	\$200
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
<b>Chemical System</b>								
	Generic	100%			2024	\$26,700	1-3	\$4,000
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : 1 Set</i>							

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 324  
**Address** : 108-01 HORACE HARDING EXP.  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.324 / 13208 **Yr Built/Renovated** : 1939 /  
**Area Sq Ft** : 5,952 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 25-Apr-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 1964 **Lot** : 65 **BIN** : 4048310

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$108,500	
Electrical		\$87,300
<b>Total</b>	<b>\$108,500</b>	<b>\$87,300</b>
Importance Code A	\$108,500	
Importance Code B		\$87,300
<b>Total</b>	<b>\$108,500</b>	<b>\$87,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$40,400			
Interior Architecture	\$33,400			\$800
Electrical	\$600	\$400	\$500	\$2,000
Mechanical	\$10,300	\$1,500	\$3,500	\$1,200
Site Enclosure	\$3,500			
Site Pavements	\$14,700			
<b>Total</b>	<b>\$102,800</b>	<b>\$2,000</b>	<b>\$4,100</b>	<b>\$4,000</b>
Importance Code A	\$41,000	\$600	\$600	\$600
Importance Code B	\$41,000	\$1,400	\$3,500	\$3,300
Importance Code C	\$20,900			\$100
<b>Total</b>	<b>\$102,800</b>	<b>\$2,000</b>	<b>\$4,100</b>	<b>\$4,000</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 324**  
**Asset # : 13208**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	82%	Now	\$47,600	LIFE	**	5	\$15,500	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Foundation</i>								
Masonry: Granite	3%			LIFE	**	5	\$800	
Masonry: Limestone	5%	Now	\$21,000	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	10%	Now	\$60,900	2049	**	5	\$4,700	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Elevation</i>								
<i>Explanation : Constant Malfunction Issues And Small Access Door Broken</i>								
<b>Roof</b>								
Asphalt Shingle	100%	Now	\$18,900	2038	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Roof</i>								
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Bunker Room</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	50%			LIFE	**	5	\$20,000	
Ceramic Tile	5%			2038	**	5	\$500	
Terrazzo	5%			LIFE	**	5	\$700	
Vinyl Tile	40%			2029		3	\$1,800	
<b>Interior Walls</b>								
Ceramic Tile	5%			2038	**	5	\$200	
Gypsum Board	5%			LIFE	**	5-10	\$400	
Masonry: Brick	10%			LIFE	**	10	\$100	
Plaster	45%	Now	\$1,700	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Window At Roof Access, Stairway</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Window At Roof Access</i>								
Plywood/Hardboard	10%			LIFE	**	10		
SGFT/Glazed Masonry	25%			LIFE	**	10	\$600	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 324**  
**Asset # : 13208**

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

## Interior

## Ceilings

AcousTileSusp.Lay-In	10%	0-2	\$1,500	2034	**	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 Concrete	25%			LIFE	**	5-10	\$2,900	
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Plaster	65%	0-2	\$15,900	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%			2055	**			
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Chain Link	90%	0-2	\$3,500	2049	**			
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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%			2042	**			
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## Parking/Driveway

Cast in Place Concrete	100%	Now	\$14,700	2042	**			
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*Cracking/Crumbling, Extent : Severe, Area Affected : 10%*

*Location : Rear Parking*

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

## Under 600 Volts

## Service Equipment

Molded Case Bkrs	100%			2029	\$4,900	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%			2029	\$49,900	5	\$200	
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## Raceway

Conduit	100%			2029	\$32,000	1		
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## Panelboards

Fused Disc Sw	5%			2028	\$2,000	5		
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Molded Case Bkrs	95%			2028	\$37,400	5	\$100	
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## Wiring

Thermoplastic	100%			2029	\$28,300	1		
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## Motor Controllers

Locally Mounted	100%			2027	\$14,700	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. 324**  
**Asset # : 13208**

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

**Ground**

## Grounding Devices

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

## Transfer Switches

Automatic	100%			2042	**	1	\$1,800	
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## Generators

Diesel	100%			2038	**	1	\$2,300	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Backyard**Explanation : One 40 Kilowatt*

## Batteries

Lead/Acid	100%			2023	\$1,500	5	\$200	
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## Fuel Storage

Main Tank	100%			2057	**	5	\$200	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Generator Room Outside**Explanation : One 50 Gallon Capacity***Lighting**

## Interior Lighting

Fluorescent	98%			2029	\$16,200	10	\$5,400	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : T-8 Lamps*

LED	2%			2037	**			
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## Egress Lighting

Emergency, Service	50%			2029	\$1,500	1		
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Exit, LED	50%			2044	**	1		
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## Exterior Lighting

HID	100%			2024	\$22,900	10		
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<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

## Energy Source

Natural Gas	100%			2049	**	1		
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## Conversion Equipment

Steam Boiler	100%			2034	**	1	\$5,900	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

## Distribution

Steam Piping/Pump	100%	0-2	\$1,300	2029	\$25,200			
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*Corroded, Extent : Moderate, Area Affected : 20%**Location : Return Line 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.*

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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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Heating</b>								
Terminal Devices								
Convactor/Radiator	100%	0-2	\$600	2034	**	1	\$1,700	
<i>Not in Service, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bunker Room</i>								
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Split Unit	15%			2029	\$18,200			
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : One Unit In Back Yard</i>								
Window/Wall Unit	20%	0-2	\$2,400	2029	\$2,400	1		
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
Window/Wall Unit	20%			2022	\$2,400	1		
No Component	45%							
Terminal Devices								
Fan Coil - 2 Pipe	15%	0-2	\$900	2029	\$8,900	1	\$300	
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Condensate Leaks To The Gymnasium Ceiling</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : On Top Of The Gymnasium Ceiling.</i>								
<i>Explanation : Inefficient Unit With Mechanical Defect. Not Enough Space To Replace The Air Filters.</i>								
No Component	85%							
Heat Rejection								
Air Cooled Condenser Unit	15%			2029	\$900	2	\$600	
No Component	85%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	15%	0-2	\$400	LIFE	**	2-5	\$500	
<i>Unbalanced System, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen, Waiting And TV Room On 1st Floor.</i>								
No Component	85%							
Exhaust Fans								
Interior	15%			2029	\$3,000	2		
Wall Unit	20%	0-2	\$400	2039	**	2		
<i>Abandoned in Place, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
No Component	65%							
<b>Plumbing</b>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 324**  
**Asset # : 13208**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	3%	0-2	\$1,300	2059	**	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Obsolete Water Main Valve</i>								
	Brass/Copper	97%			2039	**	1	
Water Heater								
	Gas Fired	100%			2024	\$3,500	2	\$100
Sanitary Piping								
	Cast Iron	100%	0-2	\$2,100	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Causes Flooding In Front Basement</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : From 2nd Floor Bathrooms To The Apparatus Floor.</i>								
Sump Pump(s)								
	Submersible	50%	0-2	\$100	2024	\$100	4	\$100
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : From Basement</i>								
	No Component	50%						
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2027	\$26,700	1-3	\$3,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 325/LADDER 163  
**Address** : 41-24 51st STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.325 / 13209 **Yr Built/Renovated** : 1939 / 2012  
**Area Sq Ft** : 5,940 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 11-Apr-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 131 **Lot** : 31 **BIN** : 4000979

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$77,100	\$121,300
Interior Architecture	\$150,600	
<b>Total</b>	<b>\$227,700</b>	<b>\$121,300</b>
Importance Code A	\$77,100	\$121,300
Importance Code B	\$150,600	
<b>Total</b>	<b>\$227,700</b>	<b>\$121,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$43,900			
Interior Architecture	\$44,200			\$400
Electrical	\$600	\$400	\$600	\$2,000
Mechanical	\$4,200	\$1,300	\$3,000	\$1,000
Site Pavements	\$10,900			
<b>Total</b>	<b>\$103,800</b>	<b>\$1,700</b>	<b>\$3,600</b>	<b>\$3,300</b>
Importance Code A	\$44,500	\$500	\$600	\$500
Importance Code B	\$35,700	\$1,200	\$3,000	\$2,900
Importance Code C	\$23,700			
<b>Total</b>	<b>\$103,800</b>	<b>\$1,700</b>	<b>\$3,600</b>	<b>\$3,300</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 325/LADDER 163**  
**Asset # : 13209**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	2-4	\$77,100	LIFE	**	5	\$25,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Concrete Foundation Wall</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Below Limestone, Top Of Building Parapet Wall</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Concrete Foundation Walls</i>								
Masonry: Granite	3%			LIFE	**	5	\$1,300	
Masonry: Limestone	7%			LIFE	**	5	\$3,100	
Wood Overhead Doors	5%			2034	**	5	\$7,400	
Windows								
Aluminum	100%	Now	\$24,000	2045	**	5	\$700	
<i>Unit Inoperable, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	85%	2-4	\$7,100	LIFE	**	5	\$2,400	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Interior Face</i>								
Masonry: Brownstone	10%			LIFE	**	5-10	\$3,700	
Masonry: Limestone	5%			LIFE	**	5-10	\$1,700	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Coping</i>								
Roof								
Built-Up (BUR)	100%	Now	\$6,100	2029	\$121,300			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lower Roof Over Stairs</i>								
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	**	5	\$26,600	
Vinyl Tile	20%	0-2	\$4,900	2034	**	3	\$700	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
Vinyl Tile 9" X 9"	15%			2029	\$15,800	3	\$700	
Interior Walls								
Cast in Place Concrete	15%			LIFE	**	10	\$4,800	
Gypsum Board	10%			LIFE	**	5-10	\$2,200	
Plaster	35%	Now	\$7,400	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stair Well, 1st Floor Apparatus Area, 2nd Floor Truck Office</i>								
SGFT/Glazed Masonry	40%			LIFE	**	10	\$2,600	

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 325/LADDER 163**  
**Asset # : 13209**

<b>Architecture</b>		<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>		
<b>Interior</b>									
<b>Ceilings</b>									
AcousTileSusp.Lay-In	10%	0-2	\$1,500	2042	**	5	\$500		
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Kitchen</i>									
Exposed Struc: Steel	25%	0-2	\$150,600	LIFE	**				
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Basement</i>									
<i>Explanation : Crumbling And Flaking Spray-on Fire Insulation</i>									
Plaster	65%	Now	\$8,100	LIFE	**	5	\$3,800		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>									
<i>Location : Stairwell, 2nd Floor Truck Office</i>									
<b>Site Enclosure</b>									
<b>Fence/Gates</b>									
Chain Link	100%			2039	**				
<b>Free Standing Walls</b>									
Cast in Place Concrete	100%			2049	**				
<b>Site Pavements</b>									
<b>Public Sidewalk</b>									
Cast in Place Concrete	100%	Now	\$3,400	2042	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Front Of Building 51st Street</i>									
<b>On-Site Walkways</b>									
Cast in Place Concrete	100%	0-2	\$7,500	2034	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Side Yard</i>									
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Rear Of Building</i>									

<b>Electrical</b>		<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>		
<b>Under 600 Volts</b>									
<b>Service Equipment</b>									
Fused Disc Sw	100%			2039	**	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>									
<b>Switchgear / Switchboard</b>									
Molded Case Bkrs	100%			2039	**	5	\$200		
<b>Raceway</b>									
Conduit	100%			2039	**	1			
<b>Panelboards</b>									
Molded Case Bkrs	100%			2037	**	5	\$200		
<b>Wiring</b>									
Thermoplastic	100%			2039	**	1			

**Ground**

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 325/LADDER 163**  
**Asset # : 13209**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2042	**	1	\$1,800	
Generators								
Diesel	100%			2042	**	1	\$2,300	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Rear Side Of The Building</i>					
			<i>Explanation : Emergency Generator Rated At 60 Kilowatts</i>					
Batteries								
Lead/Acid	100%			2023	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2057	**	5	\$200	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Rear Side Of The Building</i>					
			<i>Explanation : 125 Gallons Rated Capacity</i>					
<b>Lighting</b>								
Interior Lighting								
Fluorescent	60%			2034	**	10	\$3,300	
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement, 2nd Floor</i>					
Fluorescent	5%			2037	**	10	\$300	
			<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen And Lounge</i>					
LED	35%			2037	**			
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : LED Lights</i>					
Egress Lighting								
Emergency, Service	100%			2029	\$3,000	1		
Exterior Lighting								
HID	30%			2037	**	10		
No Component	70%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Electricity	20%			2039	**	1		
Natural Gas	80%			2049	**	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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Radiant Heater	20%			2034	**	2	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Electric Unit Heaters</i>								
Steam Boiler	80%			2042	**	1	\$4,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Gas Fired Steam Boiler</i>								
Distribution								
Steam Piping/Pump	10%	0-2	\$100	2039	**			
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : On Top Of Boiler In Basement</i>								
Steam Piping/Pump	90%			2039	**			
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2037	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Unit. R-410a Refrigerant</i>								
Window/Wall Unit	20%			2024		1	\$2,400	
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$2,100	
No Component	60%							
Exhaust Fans								
Roof	40%			2034	**	2	\$100	
Wall Unit	20%			2029		2	\$400	
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	**	1		
Water Heater								
Gas Fired	50%			2027		2	\$1,700	
Gas Fired	50%			2022		2	\$1,700	
Sanitary Piping								
Cast Iron	100%	0-2	\$2,100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Entrance Of Apparatus Floor</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 325/LADDER 163**  
**Asset # : 13209**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	Sump Pump(s)							
	Submersible	100%			2020	\$200	4	\$200
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2027	\$26,700	1-3	\$3,700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set</i>					

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 326/LADDER 160  
**Address** : 64-04 SPRINGFIELD BOULEVARD  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.326 / 13210 **Yr Built/Renovated** : 1984 /  
**Area Sq Ft** : 8,862 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 25-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 7621 **Lot** : 12 **BIN** : 4162454

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Electrical		\$154,400
<b>Total</b>		<b>\$154,400</b>
Importance Code B		\$154,400
<b>Total</b>		<b>\$154,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$43,200			
Interior Architecture	\$52,100		\$3,200	\$1,100
Electrical	\$7,200	\$600	\$700	\$1,000
Mechanical	\$15,500	\$1,600	\$3,000	\$1,300
Site Enclosure			\$100	
<b>Total</b>	<b>\$117,900</b>	<b>\$2,200</b>	<b>\$7,000</b>	<b>\$3,500</b>
Importance Code A	\$43,600	\$400	\$400	\$400
Importance Code B	\$70,700	\$1,800	\$6,400	\$2,900
Importance Code C	\$3,600		\$100	\$100
<b>Total</b>	<b>\$117,900</b>	<b>\$2,200</b>	<b>\$7,000</b>	<b>\$3,500</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**  
**ENGINE CO. 326/LADDER 160**  
**Asset # : 13210**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Ceramic Tile	2%			2049	**	10	\$200	
Masonry: Brick	83%			LIFE	**	5	\$19,700	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
Wood Overhead Doors	15%	0-2	\$11,500	2042	**	5	\$4,500	
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Exterior On The Left</i>								
Windows								
Aluminum	100%	0-2	\$12,800	2054	**	5	\$200	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5-10	\$5,800	
Masonry: Brick	80%			LIFE	**	5-10	\$5,600	
Roof								
Asphalt Shingle	10%			2038	**	10	\$200	
Modified Bitumen	88%			2037	**	10	\$10,900	
Skylight, Plastic	2%			2042	**	1		
Interior								
Floors								
Cast in Place Concrete	50%	2-4	\$21,100	LIFE	**	5	\$14,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	5%			2038	**	5	\$700	
Quarry Tile	5%			2042	**	5	\$1,000	
Vinyl Tile	40%	Now	\$13,800	2037	**	3	\$2,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 30%</i>								
<i>Location : Second Floor Corridor</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**	10	\$1,500	
Ceramic Tile	5%			2038	**	5	\$300	
Concrete Masonry Unit	60%			LIFE	**	5	\$2,800	
SGFT/Glazed Masonry	25%			LIFE	**	10	\$700	
Ceilings								
AcousTileSusp.Lay-In	40%			2042	**	5	\$5,300	
Exposed Struc: Steel	10%			LIFE	**	10	\$2,700	
Gypsum Board	25%			LIFE	**	5-10	\$11,400	
Plaster	25%			LIFE	**	5-10	\$5,700	
Site Enclosure								
Fence/Gates								
Aluminum Rail	2%			2042	**	5-10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Roof</i>								
<i>Explanation : On Roof Adjacent To Parapet</i>								
Chain Link	98%			2049	**			

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 326/LADDER 160**  
**Asset # : 13210**

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

## Site Enclosure

## Retaining Walls

Cast in Place Concrete	100%			2064		**		
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## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%			2042		**		
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## On-Site Walkways

Cast in Place Concrete	100%			2042		**		
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## Parking/Driveway

Asphalt	90%			2038		**		
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Cast in Place Concrete	10%			2042		**		
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<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Under 600 Volts

## Service Equipment

Molded Case Bkrs	100%			2029	\$4,900	5	\$200	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Basement*

*Explanation : One 400 Ampere Main Disconnect Switch*

## Switchgear / Switchboard

Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
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## Raceway

Conduit	100%			2029	\$32,000	1		
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## Panelboards

Fused Disc Sw	5%			2028	\$2,000	5		
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Molded Case Bkrs	95%			2028	\$37,400	5	\$200	
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## Wiring

Thermoplastic	100%			2029	\$28,300	1		
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## Motor Controllers

Locally Mounted	100%			2027	\$14,700	5	\$100	
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## Ground

## Grounding Devices

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

## Transfer Switches

Automatic	100%			2027	\$4,900	1	\$2,700	
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## Generators

Diesel	100%			2025	\$67,200	1	\$3,400	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Basement*

*Explanation : One 30 Kilowatt*

## Batteries

Lead/Acid	100%			2020	\$1,500	5	\$300	
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 326/LADDER 160**  
**Asset # : 13210**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power								
Fuel Storage								
Day Tank	30%			2028	\$200	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallons</i>								
Main Tank	70%			2032	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 550 Gallon</i>								
Lighting								
Interior Lighting								
Fluorescent	58%			2024	\$14,200	10	\$4,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, 1st Floor And Offices</i>								
<i>Explanation : T-12 Lamps</i>								
Fluorescent	30%			2034	**	10	\$2,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor And Locker Room</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	2%			2034	**	10	\$200	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
LED	10%			2039	**			
Egress Lighting								
Emergency, Service	40%			2024	\$1,800	1		
Emergency, Service	20%			2034	**	1		
Exit, Service	40%			2024	\$400	1		
Exterior Lighting								
HID	100%			2024	\$34,200	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2055	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2034	**	1	\$4,400	
Distribution								
Hot Wtr Piping/Pump	100%			2045	**	4	\$700	
Terminal Devices								
Convactor/Radiator	90%			2042	**	1	\$2,600	
Unit Heater - Steam	10%			2034	**	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 326/LADDER 160**  
**Asset # : 13210**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
Exterior Pkg Unit - Cooling	50%	Now	\$10,300	2034	**	2	\$200	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Set Back Roof Of Kitchen</i>								
Window/Wall Unit	50%			2024	\$8,800	1		
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2	\$5,800	
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,800	
Exhaust Fans								
Interior	25%			2029	\$7,500	2	\$100	
Roof	75%			2034	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	100%			2027	\$5,200	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units / 75 Gallons</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2023	\$300	4	\$300	
Backflow Preventer								
No Component	95%							
Generic	5%			2034	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Boiler Only</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	90%							
Generic	10%			2055	**	1-2	\$300	
Chemical System								
Generic	100%			2027	\$26,700	1-3	\$3,700	

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 329  
**Address** : 402 BEACH 169th STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.329 / 13211 **Yr Built/Renovated** : 1961 /  
**Area Sq Ft** : 7,076 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 08-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 16325 **Lot** : 100 **BIN** : 4307098

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$50,900	
Interior Architecture		\$33,300
Electrical		\$37,400
<b>Total</b>	<b>\$50,900</b>	<b>\$70,700</b>
Importance Code A	\$50,900	
Importance Code B		\$70,700
<b>Total</b>	<b>\$50,900</b>	<b>\$70,700</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$42,200			
Interior Architecture	\$50,800	\$200	\$600	\$600
Electrical	\$8,500			\$100
Mechanical	\$1,900	\$500	\$1,000	\$500
Site Enclosure	\$16,100			
Site Pavements	\$800			
<b>Total</b>	<b>\$120,300</b>	<b>\$700</b>	<b>\$1,600</b>	<b>\$1,200</b>
Importance Code A	\$42,500	\$400	\$400	\$400
Importance Code B	\$52,000	\$300	\$1,200	\$800
Importance Code C	\$25,800		\$100	
<b>Total</b>	<b>\$120,300</b>	<b>\$700</b>	<b>\$1,600</b>	<b>\$1,200</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**  
**ENGINE CO. 329**  
**Asset # : 13211**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	88%	Now	\$50,900	LIFE	**	5	\$16,500	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : South Side Along 2nd Floor Veranda And East Façade</i>								
Metal Panel	2%			2039	**	5-10	\$2,600	
Metal Sect. OHD	10%			2034	**	5	\$5,900	
Windows								
Aluminum	100%	Now	\$4,000	2045	**	5	\$200	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$3,900	
Masonry: Brick	90%	Now	\$14,700	LIFE	**	5	\$1,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Roof								
IRMA/Protected Membrane	25%			2034	**	10	\$2,500	
<i>Paver Block Ballast, Extent : Light, Area Affected : 100%</i>								
<i>Location : Over First Floor</i>								
Modified Bitumen	75%	Now	\$20,600	2034	**			
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Front Over Officer Bunkroom</i>								
Interior								
Floors								
Cast in Place Concrete	40%	4+	\$2,200	LIFE	**	5	\$9,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2032	**	5	\$500	
Vinyl Tile	15%	4+	\$2,800	2024	\$13,800	3	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Locker Room, Bunkroom And Sitting Room</i>								
<i>Explanation : 9 X 9 Tiles</i>								
Vinyl Tile 9" X 9"	28%	Now	\$10,000	2029	\$33,300	3	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Patching Evident, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Vinyl Tile 9" X 9"	12%			2039	**	3	\$500	

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 329**  
**Asset # : 13211**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**	10	\$800	
Ceramic Tile	5%			2032	**	5	\$200	
Concrete Masonry Unit	10%			LIFE	**	5	\$300	
Plaster	30%	Now	\$8,000	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Stairwell, Officer Locker Room And Bunkroom And 2nd Floor Sitting Room</i>								
Plaster	15%			LIFE	**	5-10	\$400	
SGFT/Glazed Masonry	30%			LIFE	**	10	\$500	
Ceilings								
AcousTileSusp.Lay-In	5%			2042	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
Exposed Concrete	35%	4+	\$2,400	LIFE	**	5	\$600	
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Apparatus Room</i>								
Gypsum Board	10%			LIFE	**	5-10	\$3,600	
Plaster	50%	Now	\$21,300	LIFE	**	5	\$3,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Underside Of Basement Stair</i>								
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Kitchen, Apparatus Room And 2nd Floor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	\$16,100	2049	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$800	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2042	**			

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 329**  
**Asset # : 13211**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2029	\$4,900	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2029	\$32,000	1		
Panelboards								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	95%			2028	\$37,400	5	\$200	
Wiring								
Braided Cloth	30%	2-4	\$8,500	2054	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	70%			2029	\$19,800	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5		
Lighting								
Interior Lighting								
LED	100%			2039	**			
Exterior Lighting								
HID	100%			2024	\$27,300	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Furnace	20%			2037	**	1	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Unit</i>								
Hot Water Boiler	80%			2042	**	1	\$2,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	80%	0-2	\$200	2037	**	4	\$300	
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
No Component	20%							

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 329**  
**Asset # : 13211**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Terminal Devices								
Convector/Radiator	60%			2027	\$21,700	1	\$1,400	
Unit Heater - Steam	20%			2024	\$4,800	4	\$200	
No Component	20%							
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Window/Wall Unit	40%			2024	\$5,600	1		
No Component	60%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,100	
No Component	50%							
Exhaust Fans								
Roof	30%			2029	\$3,400	2	\$100	
Roof	20%			2037	**	2		
No Component	50%							
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	100%			2027	\$4,100	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : One 75 Gallon Heater</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2022	\$200	4	\$200	
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 16-Jun-2015 **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3,4  
**Block** : 531 **Lot** : 49 **BIN** : 1008526

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$43,000	
Interior Architecture	\$43,400	
Electrical		\$36,300
<b>Total</b>	<b>\$86,500</b>	<b>\$36,300</b>
Importance Code A	\$43,000	
Importance Code B	\$43,400	\$36,300
<b>Total</b>	<b>\$86,500</b>	<b>\$36,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$78,100	\$26,300		
Interior Architecture	\$47,700	\$700		\$600
Electrical	\$2,800	\$5,800	\$900	\$900
Mechanical	\$8,800	\$18,600	\$3,000	\$2,000
<b>Total</b>	<b>\$137,300</b>	<b>\$51,400</b>	<b>\$3,900</b>	<b>\$3,400</b>
Importance Code A	\$79,300	\$27,600	\$1,300	\$1,300
Importance Code B	\$46,200	\$23,800	\$2,600	\$2,200
Importance Code C	\$11,800			
<b>Total</b>	<b>\$137,300</b>	<b>\$51,400</b>	<b>\$3,900</b>	<b>\$3,400</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**  
**ENGINE CO. 33/LADDER CO. 9**  
**Asset # : 13021**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	65%			LIFE	**	5	\$28,900	
Masonry: Granite	5%	Now	\$14,600	LIFE	**	5	\$1,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Granite Panels Adjacent To Overhead Door Openings</i>								
Masonry: Limestone	10%	0-2	\$27,000	LIFE	**	5	\$3,300	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Metal Panel	5%			2036	**	5-10	\$15,300	
Metal: Cage/Fence	5%			2031	**	5	\$9,700	
Wood Overhead Doors	10%			2031	**	5	\$22,200	
Windows								
Aluminum	50%			2034	**	5	\$1,300	
Wood	50%			2034	**	5	\$13,400	
Parapets								
Masonry: Brick	85%	Now	\$43,000	LIFE	**	5	\$1,100	1
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Main Roof</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Parge/Tar Separating, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Roof Parapets</i>								
Masonry: Sandstone	15%	Now	\$19,400	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Coping Stones Have Failed And Need To Be Replaced.</i>								
Roof								
Asphalt Shingle	20%			2029		10	\$400	
Copper/Terne	20%			2041	**	10	\$6,200	
Roll Roofing	60%	2-4	\$17,100	2028	\$34,200	5	\$6,200	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 3rd Floor Ceiling</i>								
Interior								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 33/LADDER CO. 9**  
**Asset # : 13021**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$4,300	LIFE	**	5	\$16,100	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Epoxy Paint Finish Is Cracking</i>								
Ceramic Tile	5%			2039	**	5	\$900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 70%</i>								
<i>Location : 2nd And 3rd Floor Bathrooms</i>								
Quarry Tile	5%			2031	**	5	\$1,400	
Vinyl Tile	25%	Now	\$43,400	2036	**	3	\$1,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Vinyl Tiles Are Very Old, Deteriorated And Should Be Replaced.</i>								
Wood	25%	0-2	\$16,900	2054	**	5	\$4,300	
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Attic</i>								
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$1,400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 70%</i>								
<i>Location : 2nd And 3rd Floor Bathrooms</i>								
Gypsum Board	5%			LIFE	**	5	\$800	
Masonry: Brick	20%	Now	\$11,800	LIFE	**			
<i>Diagonal Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : 4th Floor/ Attic Space</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : 4th Floor/ Attic Space</i>								
Plaster	45%			LIFE	**	5	\$3,700	
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
Embossed Metal	75%	0-2	\$14,500	LIFE	**	5	\$6,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : All Floors</i>								
Gypsum Board	5%	Now	\$200	LIFE	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement Bathroom</i>								
Masonry: Infill Arch	20%			LIFE	**			

## Site Pavements

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 33/LADDER CO. 9**  
**Asset # : 13021**

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

## Site Pavements

## Parking/Driveway

Cast in Place Concrete

100%

2046

\* \*

*Other Observation, Extent : Light, Area Affected : 100%**Location : Entry To Apparatus Floor**Explanation : Under Construction/ Replacement*

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

## Under 600 Volts

## Service Equipment

Fused Disc Sw

100%

2036

\* \*

5

\$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 400 Amperes*

## Switchgear / Switchboard

Fused Disc Sw

100%

2036

\* \*

5

\$100

## Raceway

Conduit

100%

2036

\* \*

1

## Panelboards

Molded Case Bkrs

75%

2034

\* \*

5

\$300

Molded Case Bkrs

25%

2042

\* \*

5

\$100

## Wiring

Thermoplastic

100%

2036

\* \*

1

## Ground

## Grounding Devices

Generic

100%

LIFE

\* \*

5

\$200

## Stand-by Power

## Transfer Switches

Automatic

100%

2039

\* \*

1

\$3,900

## Generators

Diesel

100%

2035

\* \*

1

\$4,900

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 62 Kw Generator*

## Batteries

Lead/Acid

100%

2020

\$1,700

5

\$500

## Fuel Storage

Main Tank

100%

2054

\* \*

5

\$400

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 75 Gallon Tank*

## Lighting

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 33/LADDER CO. 9**  
**Asset # : 13021**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	95%			2026	\$36,300	10	\$11,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	5%			2021	\$4,500	2		
<b>Egress Lighting</b>								
Exit, Service	20%			2021	\$300	1		
No Component	80%							
<b>Exterior Lighting</b>								
HID	50%			2031	**	10		
No Component	50%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2046	**	1		
Conversion Equipment Steam Boiler	100%			2039	**	1	\$12,500	
<b>Distribution</b>								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$900	
<b>Terminal Devices</b>								
Convactor/Radiator	90%			2031	**	1	\$3,700	
Unit Heater - Steam	10%			2026	\$4,700	4	\$100	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment Window/Wall Unit	30%			2021	\$8,200	1		
No Component	70%							
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,100	
<b>Exhaust Fans</b>								
Roof	30%	Now	\$6,600	2036	**	2	\$100	
<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen Grill</i>								
<i>Noisy/Vibrating, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen Grill</i>								
Roof	70%			2031	**	2	\$300	
<b>Plumbing</b>								

*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. 33/LADDER CO. 9**  
**Asset # : 13021**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	H/C Water Piping Brass/Copper	100%			2046	* *	1	
			<i>Booster Pump w/Tank, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
	Water Heater Gas Fired	100%			2021	\$8,000	2	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 - 75 Gallon Units</i>					
	Sanitary Piping Cast Iron	100%			LIFE	* *	1	
	Storm Drain Piping Cast Iron	100%			LIFE	* *	1	
	Fixtures Generic	100%						
Fire Suppression	Chemical System Generic	100%			2024	\$29,100	1-3	\$3,700

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 14-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 6580 **Lot** : 6 **BIN** : 3173419

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$43,200	\$42,900
Electrical	\$39,400	\$49,900
Mechanical	\$45,600	\$39,600
<b>Total</b>	<b>\$128,200</b>	<b>\$132,400</b>
Importance Code A	\$88,800	\$42,900
Importance Code B	\$39,400	\$89,500
<b>Total</b>	<b>\$128,200</b>	<b>\$132,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$32,200			\$30,400
Interior Architecture	\$61,000			\$700
Electrical	\$2,500			\$100
Mechanical	\$26,100	\$700	\$33,200	\$700
Site Enclosure	\$11,900			
<b>Total</b>	<b>\$133,700</b>	<b>\$700</b>	<b>\$33,200</b>	<b>\$31,900</b>
Importance Code A	\$32,200	\$400	\$400	\$30,800
Importance Code B	\$80,000	\$300	\$32,800	\$900
Importance Code C	\$21,400			\$200
<b>Total</b>	<b>\$133,700</b>	<b>\$700</b>	<b>\$33,200</b>	<b>\$31,900</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**  
**ENGINE CO. 330/LADDER CO. 172**  
**Asset # : 13212**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	30%	0-2	\$43,200	2044	**			
<i>Deformed/Dented, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Both Sides Of Building</i>								
Masonry: Brick	60%			LIFE	**	5	\$12,800	
Wood Overhead Doors	10%			2044	**	5	\$10,600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	0-2	\$23,000	2049	**	5	\$300	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Top Of Parapet Walls</i>								
<i>Explanation : Coping</i>								
Masonry: Brick	90%			LIFE	**	5	\$1,100	
Roof								
Modified Bitumen	30%			2029		10	\$3,100	
Roll Roofing	70%	0-2	\$9,100	2023		5	\$6,000	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	50%	0-2	\$5,800	LIFE	**	5	\$11,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%	0-2	\$3,200	2033	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Quarry Tile	10%	0-2	\$9,600	2037	**	5	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Locker Area</i>								
Vinyl Tile	25%	0-2	\$9,400	2029		3	\$1,000	
<i>Split/Cracked, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor</i>								
Vinyl Tile	10%	Now	\$9,400	2034	**	3	\$400	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Hallway</i>								
<i>Explanation : 9x9's Need Replacement</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. 330/LADDER CO. 172**  
**Asset # : 13212**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	5%			LIFE	**			
Ceramic Tile	10%			2033	**	5	\$500	
Concrete Masonry Unit	5%	0-2	\$1,000	LIFE	**	5	\$100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Gypsum Board	15%	0-2	\$300	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Plaster	10%			LIFE	**	5	\$100	
SGFT/Glazed Masonry	45%	0-2	\$8,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood	10%			LIFE	**	5	\$1,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor Gymnasium</i>								
<i>Explanation : Walls Are Covered</i>								
Ceilings								
AcousTileSusp.Lay-In	20%	0-2	\$1,800	2037	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	20%	0-2	\$3,600	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	60%	2-4	\$8,700	LIFE	**	5	\$4,100	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Other Observation, Extent : Severe, Area Affected : 70%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Paint Peeling On Bunk Room Ceiling</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	\$11,900	2044	**			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Left And Right Sides Of Building</i>								
<i>Explanation : Chain Link Gates</i>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2037	**			
Parking/Driveway								
Cast in Place Concrete	100%			2037	**			

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 330/LADDER CO. 172**  
**Asset # : 13212**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2024	\$4,900	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Electrical Room</i>								
<i>Explanation : 1- 400 Amperes Switch</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2024	\$49,900	5		
Raceway								
Conduit	100%			2034	**	1		
Panelboards								
Molded Case Bkrs	100%			2023	\$39,400	5	\$200	
Wiring								
Thermoplastic	100%			2024	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2029	\$14,700	5	\$100	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								
<b>Lighting</b>								
Interior Lighting								
Fluorescent	95%			2024	\$20,400	10	\$6,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-12 In Basement / T-8 At 1st Floor</i>								
Incandescent	5%			2020	\$2,500	2		
Exterior Lighting								
HID	100%			2024	\$29,800	10		
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2034	**	1		
Conversion Equipment								
Furnace	20%			2029	\$3,500	1	\$800	
Hot Water Boiler	80%	0-2	\$45,600	2044	**	1	\$2,800	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Distribution								
Hot Wtr Piping/Pump	80%			2032	**	4	\$500	
No Component	20%							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 330/LADDER CO. 172**  
**Asset # : 13212**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
	Terminal Devices							
	Convactor/Radiator	100%			2029	\$39,600	1	\$2,500
<b>Air Conditioning</b>								
	Energy Source							
	Electricity	100%			2032	**	1	
	Conversion Equipment							
	Window/Wall Unit	100%	Now	\$15,400	2024	\$15,400	1	
				<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>				
				<i>Location : 2nd Floor</i>				
<b>Ventilation</b>								
	Exhaust Fans							
	Wall Unit	100%	0-2	\$2,600	2034	**	2	\$200
				<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>				
				<i>Location : Apparatus Floor</i>				
<b>Plumbing</b>								
	H/C Water Piping							
	Galvanized Steel	100%	0-2	\$1,600	2022	\$32,500	1	
				<i>Corroded, Extent : Moderate, Area Affected : 5%</i>				
				<i>Location : Shut Off Valve</i>				
	Sanitary Piping							
	Cast Iron	100%	Now	\$2,700	LIFE	**	1	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Apparatus Floor</i>				
				<i>Explanation : Backs Up</i>				
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%	0-2	\$300	2020	\$300	4	\$200
				<i>On Extended Life, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
	Fixtures							
	Generic	100%						
				<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>				
				<i>Location : Total House</i>				
<b>Fire Suppression</b>								
	Chemical System							
	No Component	90%						
	Generic	10%			2020	\$2,700	1-3	\$400
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Throughout</i>				
				<i>Explanation : Fire Extinguishers</i>				

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 331/LADDER CO. 173  
**Address** : 158-57 CROSS BAY BOULEVARD  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.331 / 13213 **Yr Built/Renovated** : 1966 / 2003  
**Area Sq Ft** : 8,732 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 13-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 14163 **Lot** : 101 **BIN** : 4295071

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$56,200
Electrical		\$7,900
<b>Total</b>		<b>\$64,100</b>
Importance Code A		\$56,200
Importance Code B		\$7,900
<b>Total</b>		<b>\$64,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$49,100		\$500	\$11,100
Interior Architecture	\$37,200		\$1,100	\$500
Electrical	\$1,000	\$700	\$600	\$600
Mechanical	\$8,500	\$1,700	\$1,400	\$1,800
<b>Total</b>	<b>\$95,900</b>	<b>\$2,400</b>	<b>\$3,600</b>	<b>\$14,100</b>
Importance Code A	\$52,300	\$400	\$900	\$11,600
Importance Code B	\$22,900	\$2,000	\$2,700	\$2,000
Importance Code C	\$20,600			\$500
<b>Total</b>	<b>\$95,900</b>	<b>\$2,400</b>	<b>\$3,600</b>	<b>\$14,100</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 331/LADDER CO. 173**  
**Asset # : 13213**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Exterior Walls									
Masonry: Brick	90%			LIFE	**	5	\$34,900		
Metal Sect. OHD	10%	Now	\$3,100	2034	**	5	\$3,000		
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>									
<i>Location : Side Facades</i>									
<i>Explanation : Two Metal Doors Deteriorated</i>									
Windows									
Aluminum	95%	Now	\$3,200	2037	**	5	\$800		
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 15%</i>									
<i>Location : Throughout</i>									
<i>Unit Inoperable, Extent : Moderate, Area Affected : 3%</i>									
<i>Location : Throughout</i>									
Metal Louvers	5%			2032	**	10	\$500		
Parapets									
Cast Stone/Terra Cotta	5%			LIFE	**	5-10	\$4,700		
Masonry: Brick	70%			LIFE	**	5-10	\$16,000		
<i>Diagonal Cracks, Extent : Light, Area Affected : 2%</i>									
<i>Location : 2nd Floor Bulkhead</i>									
Metal Rail	25%			2034	**	5-10	\$15,100		
Roof									
Roll Roofing	98%			2028		5	\$56,200	\$22,200	
Skylight, Metal/Glass	2%	Now	\$8,200	2049	**				
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>									
<i>Location : Skylight At Kitchen</i>									
Interior									
Floors									
Cast in Place Concrete	40%	4+	\$2,500	LIFE	**	5	\$10,400		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Apparatus Floor Near Rear</i>									
Ceramic Tile	8%			2042	**	5	\$1,000		
Quarry Tile	5%			2034	**	5	\$900		
Terrazzo	4%			LIFE	**	5	\$700		
Vinyl Tile	43%			2037	**	3	\$1,900		
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>									
<i>Location : 2nd Floor</i>									
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : 2nd Floor</i>									
<i>Explanation : Difficult To Clean</i>									

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 331/LADDER CO. 173**

**Asset # : 13213**

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

**Interior**

**Interior Walls**

Ceramic Tile	5%			2038	**	5	\$900	
Concrete Masonry Unit	40%	Now	\$8,400	LIFE	**	5	\$2,900	

*Water Penetration, Extent : Severe, Area Affected : 10%*

*Location : Stairwell*

Plaster	20%	0-2	\$9,100	LIFE	**	5	\$1,100	
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*Cracking/Crumbling, Extent : Severe, Area Affected : 35%*

*Location : 2nd Floor*

*Water Penetration, Extent : Severe, Area Affected : 10%*

*Location : 2nd Floor*

SGFT/Glazed Masonry	35%			LIFE	**	10	\$3,200	
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**Ceilings**

Exposed Concrete	35%			LIFE	**	5-10	\$5,000	
Gypsum Board	10%			LIFE	**	5-10	\$3,900	
Plaster	55%			LIFE	**	5-10	\$10,700	

**Site Pavements**

**Public Sidewalk**

Cast in Place Concrete	100%			2042	**			
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**Parking/Driveway**

Cast in Place Concrete	100%			2042	**			
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<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Under 600 Volts**

**Service Equipment**

Fused Disc Sw	100%			2055	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Electrical Room*

*Explanation : Main Service Disconnect Switch Rated At 400 Amperes.*

**Switchgear / Switchboard**

Molded Case Bkrs	100%			2055	**	5	\$200	
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**Raceway**

Conduit	80%			2055	**	1		
Conduit	20%			2029	\$6,400	1		

**Panelboards**

Molded Case Bkrs	20%			2028	\$7,900	5		
Molded Case Bkrs	80%			2051	**	5	\$200	

**Wiring**

Thermoplastic	80%			2055	**	1		
Thermoplastic	20%			2039	**	1		

**Motor Controllers**

Locally Mounted	100%			2034	**	5	\$100	
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**Ground**

**Grounding Devices**

Generic	100%			LIFE	**	5	\$300	
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 331/LADDER CO. 173**  
**Asset # : 13213**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	**	1	\$2,700	
Generators								
Natural Gas	100%			2042	**	1	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Emergency Generator Rated At 103 Kva</i>								
Batteries								
Lead/Acid	100%			2024	\$1,500	5	\$300	
Lighting								
Interior Lighting								
Fluorescent	70%			2029	\$16,900	10	\$5,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
LED	30%			2037	**			
Egress Lighting								
Emergency, Service	50%			2037	**	1		
Exit, LED	50%			2064	**	1		
Exterior Lighting								
LED	30%			2037	**			
No Component	70%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2039	**	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	\$3,200	2046	**	1	\$3,900	
<i>Not in Service, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : #3 Unit, 1st Floor Mechanical Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>Explanation : 4 Units</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2037	**	4	\$600	
Terminal Devices								
Convactor/Radiator	70%			2034	**	1	\$2,000	
Unit Heater - Steam	30%			2024	\$9,000	4	\$400	
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 331/LADDER CO. 173**  
**Asset # : 13213**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Reciprocating Compr/Chiller	30%			2037	**	1	\$1,200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : 1 Unit. R-410a Refrigerant</i>					
	Window/Wall Unit	30%			2024	\$5,200	1	
	No Component	40%						
Terminal Devices								
	Fan Coil - 2 Pipe	30%			2037	**	1	\$900
	No Component	70%						
Heat Rejection								
	Air Cooled Condenser Unit	30%			2037	**	2	\$1,800
	No Component	70%						
Ventilation								
Distribution								
	Ductwork/Diffusers	40%			LIFE	**	2-5	\$3,100
	No Component	60%						
Exhaust Fans								
	Interior	30%			2037	**	2	\$100
	Roof	10%			2037	**	2	
	No Component	60%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2039	**	1	
Water Heater								
	Gas Fired	100%			2027	\$5,100	2	\$100
Sanitary Piping								
	Cast Iron	100%	0-2	\$3,100	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%			2024	\$26,700	1-3	\$4,000
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set</i>					

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 332/LADDER CO. 175 / RAC 2  
**Address** : 165 BRADFORD STREET  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.332 / 13214 **Yr Built/Renovated** : 1984 / 2009  
**Area Sq Ft** : 7,789 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 13-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 3691 **Lot** : 1 **BIN** : 3083579

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$77,000	\$151,400
Electrical		\$39,400
Mechanical		\$111,500
Site Pavements	\$60,500	
<b>Total</b>	<b>\$137,500</b>	<b>\$302,200</b>
Importance Code A	\$77,000	\$151,400
Importance Code B		\$150,900
Importance Code C	\$60,500	
<b>Total</b>	<b>\$137,500</b>	<b>\$302,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$37,400		\$14,500	\$300
Interior Architecture	\$38,200		\$700	\$400
Electrical	\$600	\$400	\$1,900	\$500
Mechanical	\$28,900	\$900	\$1,800	\$700
Site Enclosure	\$19,900			
Site Pavements	\$500			
<b>Total</b>	<b>\$125,500</b>	<b>\$1,300</b>	<b>\$19,100</b>	<b>\$1,900</b>
Importance Code A	\$37,700	\$400	\$14,900	\$600
Importance Code B	\$57,600	\$900	\$4,000	\$1,200
Importance Code C	\$30,100		\$200	
<b>Total</b>	<b>\$125,500</b>	<b>\$1,300</b>	<b>\$19,100</b>	<b>\$1,900</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**  
**ENGINE CO. 332/LADDER CO. 175 / RAC 2**  
**Asset # : 13214**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Alum/Vinyl Siding	5%			2049	**	10	\$200	
Concrete Masonry Unit	75%	Now	\$77,000	LIFE	**	5	\$5,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Metal Coiling Doors	10%	2-4	\$7,100	2034	**	5	\$1,900	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Coiling Door Housing At Rear Of Building</i>								
Wood Overhead Doors	10%			2034	**	5	\$6,100	
<b>Windows</b>								
Aluminum	100%			2028		5	\$500	
<b>Parapets</b>								
Metal Panel	40%			2039	**	5	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Roof</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	60%			2042	**	5-10	\$24,000	
<b>Roof</b>								
Modified Bitumen	100%	Now	\$30,300	2029			\$151,400	
<i>Alligatoring, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Seams</i>								
<i>Debris Present, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2 Story Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Low Roof</i>								
<b>Soffits</b>								
Alum/Vinyl Siding	100%			2049	**	10		
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	55%	Now	\$6,800	LIFE	**	5	\$14,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	10%			2032	**	5	\$1,200	
Quarry Tile	5%			2034	**	5	\$900	
Vinyl Tile	30%	0-2	\$3,000	2029		3	\$1,300	
<i>Worn/Eroded, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor</i>								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 332/LADDER CO. 175 / RAC 2**  
**Asset # : 13214**

<b>Architecture</b>		<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>		
<b>Interior</b>									
<b>Interior Walls</b>									
Cast in Place Concrete	10%			LIFE	**	10	\$1,600		
Ceramic Tile	5%			2032	**	5	\$300		
Concrete Masonry Unit	45%	Now	\$6,600	LIFE	**	5	\$1,200		
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>									
<i>Location : Dormitory - Under Windows</i>									
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : 2nd Floor - Locker Room And Office</i>									
Gypsum Board	5%			LIFE	**	5-10	\$600		
SGFT/Glazed Masonry	35%			LIFE	**	10	\$1,100		
<b>Ceilings</b>									
AcousTileSusp.Lay-In	50%	2-4	\$1,000	2034	**	5	\$2,900		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : 2nd Floor</i>									
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Kitchen And Office</i>									
Exposed Struc: Steel	20%	Now	\$10,000	LIFE	**				
<i>Other Observation, Extent : Light, Area Affected : 10%</i>									
<i>Location : Basement</i>									
<i>Explanation : Missing Fireproofing</i>									
Gypsum Board	30%			LIFE	**	5-10	\$12,000		
<b>Site Enclosure</b>									
<b>Fence/Gates</b>									
Chain Link	90%	Now	\$19,900	2039	**				
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>									
<i>Location : Leaning Fence At Parking Area</i>									
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>									
<i>Location : Parking Lot Area</i>									
<i>Explanation : Damaged Chainlink Gates</i>									
Iron Picket	10%			2064	**				
<b>Site Pavements</b>									
<b>Public Sidewalk</b>									
Cast in Place Concrete	100%			2042	**				
<b>Parking/Driveway</b>									
Asphalt	95%	Now	\$60,500	2032	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Parking Lot Area</i>									
Cast in Place Concrete	5%	Now	\$500	2042	**				
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Front Apron</i>									

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

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. 332/LADDER CO. 175 / RAC 2**  
**Asset # : 13214**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	75%			2049	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : Main Service 400 Amperes</i>								
No Component	25%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : Abandoned In Place</i>								
<b>Raceway</b>								
Conduit	80%			2029	\$25,600	1		
Conduit	20%			2049	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2028	\$39,400	5	\$200	
<b>Wiring</b>								
Thermoplastic	80%			2029	\$22,700	1		
Thermoplastic	20%			2049	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2027	\$14,700	5	\$100	
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$200	
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
Automatic	70%			2034	**	1	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : 600 Amperes, 3 Ph, 120/208 Volts For Compressor Room</i>								
No Component	30%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : Transfer Switch Abandoned In Place</i>								
<b>Generators</b>								
Diesel	70%			2032	**	1	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Backyard Outdoor Enclosure</i>								
<i>Explanation : 150 Kilowatt Generator</i>								
No Component	30%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : Diesel Generator Abandoned In Place</i>								
<b>Batteries</b>								
Lead/Acid	100%			2022	\$1,500	5	\$300	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 332/LADDER CO. 175 / RAC 2**  
**Asset # : 13214**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
Fuel Storage								
Main Tank	100%			2044	**	5	\$200	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Backyard</i>							
	<i>Explanation : 500 Gallon Tank</i>							
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	10%			2034	**	10	\$700	
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
LED	90%			2034	**			
<b>Egress Lighting</b>								
Emergency, Service	50%			2034	**	1		
Exit, Service	50%			2029	\$400	1		
<b>Exterior Lighting</b>								
Fluorescent	1%			2034	**	10		
	<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Main Entrance</i>							
HID	99%			2037	**	10		
<b>Alarm</b>								
<b>Fire/Smoke Detection</b>								
Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : Located In Inaccessible Closet</i>							
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	100%			2049	**	1		
<b>Conversion Equipment</b>								
Furnace	10%			2034	**	1	\$400	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st Floor</i>							
	<i>Explanation : Gas Fire Unit Heaters Serve Air Bottle Fill Area</i>							
Hot Water Boiler	90%			2042	**	1	\$3,500	
<b>Distribution</b>								
Hot Wtr Piping/Pump	100%			2037	**	4	\$600	
<b>Terminal Devices</b>								
Fan Coil Unit/Heat	100%	Now	\$22,300	2029	\$111,500	1	\$2,300	
	<i>Broken, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
<b>Air Conditioning</b>								

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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**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
Energy Source								
	Electricity	100%			2045	**	1	
Conversion Equipment								
	Exterior Pkg Unit - Cooling	20%			2034	**	2	\$100
	Window/Wall Unit	40%			2027	\$6,200	1	
	Window/Wall Unit	20%	Now	\$3,100	2029	\$3,100	1	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
	No Component	20%						
<b>Distribution</b>								
	Ductwork/Diffusers	20%			LIFE	**	2	\$2,500
	No Component	80%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,900
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Includes Make- Up Air</i>								
<b>Exhaust Fans</b>								
	Interior	50%			2029	\$13,200	2	\$100
	Roof	50%			2034	**	2	\$100
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%			2039	**	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Booster Pumps</i>								
<b>Water Heater</b>								
	Gas Fired	100%			2024	\$4,500	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
<b>Sanitary Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Storm Drain Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Backflow Preventer</b>								
	No Component	95%						
	Generic	5%			2029	\$100	1	
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 332/LADDER CO. 175 / RAC 2**  
**Asset # : 13214**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Sprinkler							
	No Component	90%						
	Generic	10%			2039	**	1-2	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st And 2nd Floor</i>					
			<i>Explanation : Serves Stair And Corridor Only</i>					
Chemical System								
	Wet	2%			2027	\$500	1-3	\$100
	No Component	98%						

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 34/LADDER CO. 21  
**Address** : 440 WEST 38th STREET BTWN: 9TH AVE. - 10TH AVE.  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.034 / 13022 **Yr Built/Renovated** : 1937 / 1998  
**Area Sq Ft** : 9,000 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 15-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 735 **Lot** : 61 **BIN** : 1012982

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$36,800	\$110,000
Electrical		\$7,900
<b>Total</b>	<b>\$36,800</b>	<b>\$117,800</b>
Importance Code A	\$36,800	\$110,000
Importance Code B		\$7,900
<b>Total</b>	<b>\$36,800</b>	<b>\$117,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$70,400		\$9,700	
Interior Architecture	\$49,000			\$1,300
Electrical	\$300		\$100	\$100
Mechanical	\$28,100	\$1,600	\$15,000	\$2,200
Site Pavements	\$200			
<b>Total</b>	<b>\$148,000</b>	<b>\$1,700</b>	<b>\$24,800</b>	<b>\$3,600</b>
Importance Code A	\$71,300	\$900	\$10,600	\$900
Importance Code B	\$56,700	\$800	\$14,100	\$2,700
Importance Code C	\$20,000			
<b>Total</b>	<b>\$148,000</b>	<b>\$1,700</b>	<b>\$24,800</b>	<b>\$3,600</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**  
**ENGINE CO. 34/LADDER CO. 21**  
**Asset # : 13022**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	60%	0-2	\$9,200	LIFE	**	5	\$15,000	
<i>Expansion Jnt 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	\$3,700	
Metal Sect. OHD	25%			2042	**	5	\$19,500	
Granite Panels	5%			LIFE	**	5	\$1,900	
Windows								
Aluminum	100%	Now	\$30,900	2045	**	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	**	5-10	\$13,200	
Masonry: Limestone	20%			LIFE	**	5-10	\$5,900	
Roof								
Modified Bitumen	65%	Now	\$11,000	2029			\$110,000	
<i>Drains Clogged, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Over 1st Floor Toilet</i>								
Modified Bitumen	30%			2034	**	10	\$3,700	
Skylight, Metal/Glass	2%	Now	\$36,800	2059	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Hose Tower</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Over Hose Tower</i>								
<i>Explanation : Skylight</i>								
Not Accessible	3%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Roof Over Hose Tower And Bulkhead</i>								
<i>Explanation : Roof Is Not Accessible</i>								

## Interior

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 34/LADDER CO. 21**  
**Asset # : 13022**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$22,800	
Ceramic Tile	10%			2038	**	5	\$1,300	
Quarry Tile	5%			2034	**	5	\$1,000	
Terrazzo	5%			LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 0%</i>								
<i>Location : 2nd Floor</i>								
Vinyl Tile	40%	Now	\$9,000	2034	**	3	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
Interior Walls								
Concrete Masonry Unit	20%			LIFE	**	5	\$2,300	
Gypsum Board	20%			LIFE	**	5-10	\$4,900	
Plaster	30%	Now	\$7,100	LIFE	**	5	\$1,300	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Along The 2nd Floor Street Front Wall, Stair</i>								
SGFT/Glazed Masonry	30%	Now	\$8,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2034	**	5	\$300	
<i>Staining/Discoloring, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Street Front, Kitchen</i>								
Exposed Concrete	35%			LIFE	**	5-10	\$2,700	
Exposed Struc: Steel	20%			LIFE	**	10	\$2,400	
Plaster	40%	Now	\$3,200	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
Site Enclosure								
Fence/Gates								
Masonry: Brick	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	\$200	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front At Bollard</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 34/LADDER CO. 21**  
**Asset # : 13022**

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

## Site Pavements

## On-Site Walkways

Cast in Place Concrete	100%			2042	**			
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## Parking/Driveway

Cast in Place Concrete	100%			2042	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2049	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 400 Ampere Main Disconnect Switch*

## Switchgear / Switchboard

Fused Disc Sw	100%			2049	**	5		
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## Raceway

Conduit	100%			2049	**	1		
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## Panelboards

Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	75%			2045	**	5	\$200	
Molded Case Bkrs	20%			2028	\$7,900	5		

## Wiring

Thermoplastic	75%			2049	**	1		
Thermoplastic	25%			2029	\$7,100	1		

## Motor Controllers

Locally Mounted	100%			2042	**	5	\$100	
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$300	
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## Lighting

## Interior Lighting

Fluorescent	95%			2034	**	10	\$7,800	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Throughout The Building*

Incandescent	5%			2034	**	2		
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## Egress Lighting

Emergency, Battery	50%			2034	**	10	\$1,100	
Exit, Service	50%			2034	**	1		

## Exterior Lighting

HID	100%			2034	**	10		
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## Alarm

## Security System

No Component	90%							
Generic	10%			2034	**	1	\$300	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 34/LADDER CO. 21**  
**Asset # : 13022**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
Energy Source	Natural Gas	100%			2049	**	1	
Conversion Equipment	Steam Boiler	100%			2042	**	1	\$8,900
Distribution	Central Plant Steam Piping/Pmp	100%			2039	**	4	\$400
Terminal Devices	Convactor/Radiator	100%			2034	**	1	\$2,900
<b>Air Conditioning</b>								
Energy Source	Electricity	100%			2045	**	1	
Conversion Equipment	Window/Wall Unit	75%			2022	\$13,400	1	
	No Component	25%						
<b>Ventilation</b>								
Distribution	Ductwork/Diffusers	10%			LIFE	**	2-5	\$800
	No Component	90%						
Exhaust Fans	Interior	40%			2029	\$12,200	2	\$100
	Roof	60%			2029	\$8,600	2	\$200
	<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Main Roof</i>							
	<i>Explanation : Motor Controller Not Functioning</i>							
<b>Plumbing</b>								
H/C Water Piping	Brass/Copper	50%			2039	**	1	
	Galvanized Steel	50%			2034	**	1	
Water Heater	Gas Fired	100%			2027	\$5,200	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement Mechanical Room</i>							
	<i>Explanation : Two 75 Gallon Tanks</i>							
Sanitary Piping	Cast Iron	25%			LIFE	**	1	
	Cast Iron	75%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Non-Submersible	100%			2029	\$1,300	4	\$300
Backflow Preventer	No Component	95%						
	Generic	5%			2029	\$100	1	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement Mechanical Room</i>							
	<i>Explanation : Serves Boiler Water Makeup Feed Only</i>							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 34/LADDER CO. 21**  
**Asset # : 13022**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Plumbing								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	100%	0-2	\$26,700	2029	\$26,700	1-3	\$3,900	
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 35/LADDER 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** : 13-Jul-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 1773 **Lot** : 33 **BIN** : 1054465

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$272,100	
Interior Architecture		\$51,700
Electrical	\$42,000	\$79,400
Mechanical		\$80,300
<b>Total</b>	<b>\$314,100</b>	<b>\$211,400</b>
Importance Code A	\$272,100	\$80,300
Importance Code B	\$42,000	\$131,100
<b>Total</b>	<b>\$314,100</b>	<b>\$211,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$27,200		\$800	
Interior Architecture	\$39,200	\$400	\$2,200	\$15,900
Electrical	\$200	\$200	\$29,000	\$200
Mechanical	\$10,200	\$1,100	\$56,800	\$1,400
<b>Total</b>	<b>\$76,700</b>	<b>\$1,700</b>	<b>\$88,800</b>	<b>\$17,400</b>
Importance Code A	\$27,700	\$500	\$1,500	\$500
Importance Code B	\$46,100	\$1,200	\$87,400	\$16,900
Importance Code C	\$2,900			
<b>Total</b>	<b>\$76,700</b>	<b>\$1,700</b>	<b>\$88,800</b>	<b>\$17,400</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 35/LADDER 14/ BATTALION 12**  
**Asset # : 13023**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	45%			LIFE	**	5	\$5,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Split Faced Finish</i>								
Masonry: Brick	43%	0-2	\$13,800	LIFE	**	5	\$9,000	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Base Perimeter Of Building At Grade</i>								
Metal Panel	2%			2037	**	5-10	\$2,900	
Metal Sect. OHD	10%			2044	**	5	\$6,500	
Windows								
Aluminum	100%	Now	\$50,600	2052	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Second Floor</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Concrete Masonry Unit	45%	Now	\$8,000	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Outer Parapet Wall</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Underside Of Coping</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Corners - Outer Parapet Wall</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Split Faced Finish</i>								
Masonry: Brick	40%			LIFE	**	5	\$1,100	
Pre-Cast Concrete	10%			LIFE	**	5	\$1,700	
Stucco Cement	5%	2-4	\$1,100	2040	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Parapet</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 35/LADDER 14/ BATTALION 12**  
**Asset # : 13023**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	95%	Now	\$221,500	2037		**		
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Drains Inad/Misposn, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Both Roofs</i>								
<i>Ponding, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Soft Spots - Upper And Lower Roofs</i>								
<i>Ridging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Main Roof Under Rooftop Units</i>								
Roll Roofing	5%			2020	\$3,500	5	\$1,400	
Interior								
Floors								
Cast in Place Concrete	20%	4+	\$3,200	LIFE		**	5	\$6,500
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Room</i>								
Cast in Place Concrete	20%			LIFE		**	5	\$6,500
Ceramic Tile	5%			2023	\$14,700	**	5	\$700
Ceramic Tile	5%			2036		**	5	\$700
Quarry Tile	10%			2032		**	5	\$2,200
Vinyl Tile	40%	Now	\$5,200	2027	\$51,700	**	3	\$2,200
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$2,900	2030		**	5	\$500
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : First And Second Floor Bathrooms</i>								
Concrete Masonry Unit	35%			LIFE		**	5	\$2,900
Gypsum Board	30%			LIFE		**	5	\$3,700
SGFT/Glazed Masonry	30%			LIFE		**		
Ceilings								
AcousTileSusp.Lay-In	15%			2032		**	5	\$2,200
Exposed Concrete	15%			LIFE		**	5	\$300
Plaster	70%	0-2	\$28,000	LIFE		**	5	\$6,500
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Second Floor - Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 35/LADDER 14/ BATTALION 12**  
**Asset # : 13023**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	100%			2027	\$4,900	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Service Room</i>								
<i>Explanation : One 300 Amperes Main Disconnect Switch</i>								
<hr/>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2027	\$49,900	5	\$300	
<hr/>								
<b>Raceway</b>								
Conduit	95%			2027	\$30,400	1		
Conduit	5%			2047	**	1		
<hr/>								
<b>Panelboards</b>								
Fused Disc Sw	5%			2026	\$2,000	5		
Molded Case Bkrs	75%			2026	\$29,500	5	\$200	
Molded Case Bkrs	20%			2043	**	5	\$100	
<hr/>								
<b>Wiring</b>								
Thermoplastic	95%			2027	\$26,900	1		
Thermoplastic	5%			2047	**	1		
<hr/>								
<b>Motor Controllers</b>								
Locally Mounted	100%			2025	\$14,700	5	\$100	
<hr/>								
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$200	
<hr/>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	55%			2032	**	10	\$5,500	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<hr/>								
Fluorescent	40%			2027	\$12,100	10	\$4,000	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<hr/>								
Fluorescent	5%			2027	\$1,500	10	\$500	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Uniforms Room</i>								
<hr/>								
<b>Egress Lighting</b>								
Exit, Service	50%			2032	**	1		
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
<hr/>								
No Component	50%							
<hr/>								
<b>Exterior Lighting</b>								
HID	100%			2022	\$42,000	10		
<hr/>								
<b>Alarm</b>								
<b>Fire/Smoke Detection</b>								
No Component	80%							
Generic, Analog	20%			2022	\$23,000	1-3	\$1,300	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 35/LADDER 14/ BATTALION 12**  
**Asset # : 13023**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
	Water Heater Gas Fired	100%		2027	\$6,400	2	\$200	
			<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 - 100 Gallon Units</i>					
	Sanitary Piping Cast Iron	100%		LIFE	**	1		
	Storm Drain Piping Cast Iron	100%		LIFE	**	1		
	Sump Pump(s) Non-Submersible	100%		2022	\$1,600	4	\$200	
	Fixtures Generic	100%						
Fire Suppression								
	Sprinkler No Component	95%						
			<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Ansul System Serves Cooking Area</i>					
	Generic	5%		2027	\$5,100	1-2	\$200	
	Chemical System Generic	100%		2022	\$26,700	1-3	\$3,700	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set</i>					

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 12-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 1966 **Lot** : 61 **BIN** : 1059547

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$390,100	\$80,400
Interior Architecture		\$46,100
Mechanical		\$122,900
<b>Total</b>	<b>\$390,100</b>	<b>\$249,400</b>
Importance Code A	\$390,100	\$167,100
Importance Code B		\$82,200
<b>Total</b>	<b>\$390,100</b>	<b>\$249,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$24,600		\$4,300	
Interior Architecture	\$59,400		\$600	\$700
Electrical	\$1,100		\$11,400	\$200
Mechanical	\$38,400	\$1,100	\$19,000	\$1,600
<b>Total</b>	<b>\$123,500</b>	<b>\$1,200</b>	<b>\$35,200</b>	<b>\$2,500</b>
Importance Code A	\$33,300	\$600	\$4,900	\$600
Importance Code B	\$53,500	\$600	\$30,300	\$1,900
Importance Code C	\$36,700			
<b>Total</b>	<b>\$123,500</b>	<b>\$1,200</b>	<b>\$35,200</b>	<b>\$2,500</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**  
**ENGINE CO. 37**  
**Asset # : 13025**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Metal Sect. OHD	10%			2032	**	5	\$8,600	
Pre-Cast Concrete	90%	Now	\$83,400	LIFE	**	5	\$80,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Facade</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Entrance Door - Center Bay</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Facade</i>								
Windows								
Aluminum	100%	Now	\$48,600	2052	**	5	\$600	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Street Level</i>								
<i>Explanation : Protective Metal Grilles</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$2,300	LIFE	**	5	\$2,800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Coping</i>								
Pre-Cast Concrete	90%	Now	\$35,600	LIFE	**	5	\$20,400	
<i>Spalling, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : South And West Facades</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Roof								
Built-Up (BUR)	100%	Now	\$22,200	2022	\$222,400			
<i>Debris Present, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : West Facade</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 37**  
**Asset # : 13025**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	50%	Now	\$16,100	LIFE	**	5	\$16,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Floor</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	10%			2030	**	5	\$1,500	
Quarry Tile	5%			2032	**	5	\$1,100	
Vinyl Tile	35%	Now	\$4,600	2027	\$46,100	3	\$2,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Gymnasium Area</i>								
<b>Interior Walls</b>								
Cast in Place Concrete	10%	0-2	\$2,700	LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2030	**	5	\$2,100	
Concrete Masonry Unit	40%			LIFE	**	5	\$3,300	
SGFT/Glazed Masonry	40%	0-2	\$33,000	LIFE	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Base Of Wall - Stairs And Hallways</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%	4+	\$1,300	2032	**	5	\$800	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	20%			LIFE	**	5	\$500	
Gypsum Board	70%			LIFE	**	5	\$13,300	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2047	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated At 400 Amperes.</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2047	**	5	\$300	
<b>Raceway</b>								
Conduit	100%			2047	**	1		
<b>Panelboards</b>								
Fused Disc Sw	5%			2043	**	5		
Molded Case Bkrs	95%			2043	**	5	\$300	
<b>Wiring</b>								
Thermoplastic	100%			2047	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 37**  
**Asset # : 13025**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2040	**	5	\$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	96%			2032	**	10	\$10,400	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	3%	Now	\$1,000	2037	**			
		<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Incandescent	1%			2022		2	\$800	
Egress Lighting								
Exit, Service	100%			2032	**	1		
		<i>Lens/Guard Missing, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Second Floor</i>						
Exterior Lighting								
HID	20%			2032	**	10		
No Component	80%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2027		1	\$3,600	\$400
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Locker Rooms</i>						
		<i>Explanation : CCTV Surveillance System</i>						

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	\$8,700	2025	\$86,800	1	\$5,200	
		<i>Corroded, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Boiler Room</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	100%	Now	\$400	2035	**	4	\$600	
		<i>Malfunctioning, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Circulating Pumps</i>						

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 37**  
**Asset # : 13025**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	60%			2025	\$36,200	1	\$2,300	
Unit Heater - Steam	40%			2022	\$16,100	4	\$400	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	10%			2027	\$9,100	2	\$100	
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Lower Roof</i>					
Window/Wall Unit	20%			2025	\$4,700	1		
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$2,600	
No Component	60%							
Exhaust Fans								
Interior	20%			2027	\$8,000	2	\$100	
Roof	20%	Now	\$1,900	2032	**	2	\$100	
			<i>Broken, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Roof / 2 Of 4 Need Replacement</i>					
Wall Unit	30%			2022	\$1,200	2	\$100	
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%			2025	\$6,900	2	\$200	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 - 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	\$1,700	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2020	\$26,700	1-3	\$4,000	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set</i>					

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 20-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 4723 **Lot** : 45 **BIN** : 2060238

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$186,400	
<b>Total</b>	<b>\$186,400</b>	
Importance Code A	\$186,400	
<b>Total</b>	<b>\$186,400</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$20,300		\$9,500	\$900
Interior Architecture		\$900	\$1,500	
Electrical	\$100		\$24,900	
Mechanical	\$800	\$1,200	\$800	\$800
Site Pavements	\$10,600			
<b>Total</b>	<b>\$31,800</b>	<b>\$2,100</b>	<b>\$36,700</b>	<b>\$1,700</b>
Importance Code A	\$20,900	\$600	\$10,100	\$1,500
Importance Code B	\$300	\$1,200	\$26,600	\$300
Importance Code C	\$10,600	\$300		
<b>Total</b>	<b>\$31,800</b>	<b>\$2,100</b>	<b>\$36,700</b>	<b>\$1,700</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.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 38/LADDER CO. 51**  
**Asset # : 13026**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2047	**	10	\$700	
Masonry: Brick	65%	Now	\$136,100	LIFE	**	5	\$14,700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : South, North And East Facades</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : South, North And East Facades</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South And North Facades</i>								
Masonry: Granite	5%			LIFE	**	5	\$900	
Masonry: Limestone	5%	Now	\$12,600	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : West Facade</i>								
Stucco Cement	5%			2032	**	5	\$2,800	
Wood Overhead Doors	10%			2040	**	5	\$11,300	
Windows								
Aluminum	100%			2043	**	5	\$1,800	
Parapets								
Masonry: Brick	90%	2-4	\$50,400	LIFE	**	5	\$1,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%	2-4	\$2,000	LIFE	**	5	\$100	
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Of Building</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$600	
Roof								
Asphalt Shingle	10%			2036	**	10	\$200	
Modified Bitumen	87%			2032	**	10	\$8,100	
Skylight, Metal/Glass	3%			2037	**	10	\$900	
<i>Not Insulated, Extent : Light, Area Affected : 100%</i>								
<i>Location : Skylight Glazing System Uninsulated</i>								
Interior								
Floors								
Cast in Place Concrete	48%			LIFE	**	5	\$9,200	
Ceramic Tile	5%			2036	**	5	\$400	
Terrazzo	2%			LIFE	**	5	\$100	
Vinyl Tile	30%			2027		3	\$1,000	
Wood	15%			2042	**	5	\$2,500	

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

Estimates are rounded to the nearest hundred dollars.

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

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 38/LADDER CO. 51**  
**Asset # : 13026**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	5%			2036	**	5	\$700	
Masonry: Brick	10%			LIFE	**			
Plaster	45%			LIFE	**	5	\$1,800	
SGFT/Glazed Masonry	40%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%			2032	**	5	\$500	
Exposed Concrete	25%			LIFE	**	5	\$400	
Exposed Struc: Steel	10%			LIFE	**			
Plaster	60%			LIFE	**	5	\$3,700	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2037	**			
<b>Site Pavements</b>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%	0-2	\$10,600	2040	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Apron Cracking</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2037	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated At 200 Amperes</i>								
<b>Raceway</b>								
Conduit	100%			2037	**	1		
<b>Panelboards</b>								
Fused Disc Sw	10%			2026	\$3,900	5		
Molded Case Bkrs	90%			2035	**	5	\$100	
<b>Wiring</b>								
Thermoplastic	100%			2037	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2032	**	5		
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Observed On Water Main</i>								
<b>Lighting</b>								

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

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 38/LADDER CO. 51**  
**Asset # : 13026**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	5%			2032	**	10	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Compact Fluorescent Lamps</i>								
Incandescent	5%			2022	\$1,900	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Tv Room</i>								
<i>Explanation : Incandescent Lighting Observed</i>								
LED	90%			2032	**			
<b>Exterior Lighting</b>								
HID	100%			2022	\$22,600	10		
<i>Sensor/Timer Not Installed, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2047	**	1		
<b>Conversion Equipment</b>								
Furnace	10%			2032	**	1	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outdoor Lounge Area</i>								
<i>Explanation : 1 Natural Gas Fired Space Heater</i>								
Steam Boiler	90%			2040	**	1	\$5,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Natural Gas Fired Steam Boiler</i>								
<b>Distribution</b>								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$400	
<b>Terminal Devices</b>								
Convactor/Radiator	100%			2032	**	1	\$1,900	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2043	**	1		
<b>Conversion Equipment</b>								
Split Unit	25%			2032	**			
Window/Wall Unit	50%			2025	\$5,900	1		
No Component	25%							
<b>Terminal Devices</b>								
Fan Coil - 2 Pipe	25%			2032	**	1	\$500	
No Component	75%							
<b>Ventilation</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**  
**ENGINE CO. 38/LADDER CO. 51**  
**Asset # : 13026**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Exhaust Fans								
Roof	20%			2032	**	2		
Wall Unit	20%			2027	\$400	2		
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%			2025	\$3,400	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Side Of Building</i>						
		<i>Explanation : Leaders From Roof Pocket Drain Appear To Be Newly Installed</i>						
Sump Pump(s)								
Submersible	100%			2021	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	95%							
Generic	5%			2025	\$1,300	1-3	\$200	

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

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 17-Jun-2015 **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** : Basement, Floors 1,2,3  
**Block** : 1402 **Lot** : 29 **BIN** : 1072190

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Interior Architecture		\$45,900
Electrical		\$50,700
Mechanical		\$48,100
<b>Total</b>		<b>\$144,700</b>
Importance Code B		\$144,700
<b>Total</b>		<b>\$144,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture				\$300
Interior Architecture	\$22,500			\$600
Electrical	\$6,100	\$9,600	\$100	\$100
Mechanical	\$33,100	\$400	\$5,900	\$400
<b>Total</b>	<b>\$61,700</b>	<b>\$10,000</b>	<b>\$5,900</b>	<b>\$1,400</b>
Importance Code A				\$300
Importance Code B	\$55,000	\$10,000	\$5,900	\$1,100
Importance Code C	\$6,700			
<b>Total</b>	<b>\$61,700</b>	<b>\$10,000</b>	<b>\$5,900</b>	<b>\$1,400</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**  
**ENGINE CO. 39/LADDER CO. 16 (COMBINED FACILITY)**  
**Asset # : 13027**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	60%			LIFE	**	5	\$10,000	
			<i>Efflorescence, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Front Facade</i>					
Masonry: Brownstone	25%			LIFE	**	5	\$3,100	
			<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Front Facade</i>					
Masonry: Granite	5%			LIFE	**	5	\$600	
Wood Overhead Doors	10%			2039	**	5	\$8,400	
Windows								
Aluminum	100%			2048	**	5	\$500	
Parapets								
Not Accessible	100%							
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$19,100	
Ceramic Tile	5%	2-4	\$1,000	2035	**	5	\$500	
			<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Toilets</i>					
Panel/Paver: Concrete	10%			2052	**			
Quarry Tile	5%	2-4	\$1,600	2031	**	5	\$700	
			<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Kitchen</i>					
Terrazzo	10%			LIFE	**	5	\$1,500	
Vinyl Tile	25%	Now	\$4,600	2026	\$45,900	3	\$1,800	
			<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>					
			<i>Location : 3rd Floor Laundry Room.</i>					
			<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Various Locations</i>					
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%			2035	**	5	\$2,200	
Concrete Masonry Unit	15%	2-4	\$4,100	LIFE	**	5	\$1,300	
			<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>					
			<i>Location : Basement Corridor</i>					
Glass: Single Pane	5%			LIFE	**	5	\$800	
Gypsum Board	5%	Now	\$1,500	LIFE	**	5	\$700	
			<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Lounge And Gymnasium</i>					
SGFT/Glazed Masonry	55%			LIFE	**			

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

Estimates are rounded to the nearest hundred dollars.

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 39/LADDER CO. 16 (COMBINED FACILITY)**  
**Asset # : 13027**

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

## Interior

## Ceilings

AcousTileSusp.Lay-In	35%			2039	**	5	\$6,800	
Exposed Concrete	50%	Now	\$6,900	LIFE	**	5	\$1,500	

*Spalling, Extent : Light, Area Affected : 2%*

*Location : Apparatus Floor.*

Gypsum Board	15%	Now	\$1,600	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 : Gymnasium*

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

## Under 600 Volts

Service Equipment  
Not Accessible

100%

*Other Observation, Extent : Light, Area Affected : 0%*

*Location : In Police Precinct*

*Explanation : Main Service*

## Switchgear / Switchboard

Not Accessible 100%

## Raceway

Conduit 100% 2036 \*\* 1

## Panelboards

Molded Case Bkrs 100% 2025 \$42,900 5 \$300

## Wiring

Thermoplastic 100% 2036 \*\* 1

## Motor Controllers

Locally Mounted 100% 2031 \*\* 5 \$100

## Ground

Grounding Devices  
Not Accessible

100%

*Other Observation, Extent : Light, Area Affected : 0%*

*Location : In Police Precinct*

*Explanation : Ground*

## Lighting

## Interior Lighting

Fluorescent 20% 2026 \$7,800 10 \$2,400

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

*Location : Throughout*

Fluorescent 80% 2031 \*\* 10 \$9,500

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

*Location : Throughout*

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 39/LADDER CO. 16 (COMBINED FACILITY)**  
**Asset # : 13027**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Egress Lighting								
Emergency, Service	50%			2026	\$3,500	1		
Exit, Service	50%			2026	\$800	1		
Exterior Lighting								
HID	5%			2026	\$2,700	10		
No Component	95%							
<b>Lightning Protection</b>								
Arresters/Cabling								
Not Accessible	100%							
<b>Alarm</b>								
Fire/Smoke Detection								
No Component	90%							
Generic, Analog	10%	Now	\$6,000	2031	**	1-3	\$700	
<i>Devices Missing, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Local/Battery Operated Detect, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Electricity	50%			2046	**	1		
Not Accessible	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Located In Adjacent Building</i>								
Conversion Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Located In Adjacent Building</i>								
Distribution								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Located In Adjacent Building</i>								

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

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 39/LADDER CO. 16 (COMBINED FACILITY)**

**Asset # : 13027**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Heating</b>								
Terminal Devices								
Convactor/Radiator	50%	Now	\$18,100	2031	**	1	\$1,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Explanation : Not Enough Heat</i>								
Fan Coil Unit/Heat	50%			2031	**	1	\$2,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Explanation : Electric Heaters. Steam Service Inadequate</i>								
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Window/Wall Unit	20%	4+	\$2,800	2024	\$5,600	1		
<i>On Extended Life, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout</i>								
Not Accessible	80%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Located In Adjacent Building</i>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$16,900	
<i>Abandoned in Place, Extent : Light, Area Affected : 100%</i>								
<i>Location : Various Locations Throughout</i>								
Terminal Devices								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Located In Adjacent Building</i>								
Heat Rejection								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Located In Adjacent Building</i>								
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,200	
Exhaust Fans								
Interior	100%			2026	\$48,100	2	\$400	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2036	**	1		
<i>Booster Pump w/Tank, Extent : Light, Area Affected : 100%</i>								
<i>Location : Triplex Pumps In Basement</i>								

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

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 39/LADDER CO. 16 (COMBINED FACILITY)**  
**Asset # : 13027**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Water Heater Electric	100%			2020	\$11,900	4	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 1 - 120 Gallon Unit Used As Backup</i>								
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Non-Submersible	100%			2026	\$2,100	4	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : Duplex Unit</i>								
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
	Sprinkler							
	No Component	15%						
	No Component	85%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : System</i>								

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

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

*\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 15-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Floors 1,2,3  
**Block** : 35 **Lot** : 1 **BIN** : 1000867

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$83,600	\$64,700
Interior Architecture		\$209,100
Electrical	\$67,200	
Mechanical	\$112,600	
<b>Total</b>	<b>\$263,400</b>	<b>\$273,800</b>
Importance Code A	\$83,600	\$64,700
Importance Code B	\$179,800	\$107,800
Importance Code C		\$101,300
<b>Total</b>	<b>\$263,400</b>	<b>\$273,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$13,300	\$10,800		
Interior Architecture	\$27,200			\$900
Electrical	\$14,600	\$15,700	\$1,200	\$1,200
Mechanical	\$1,300	\$10,600	\$8,100	\$1,400
<b>Total</b>	<b>\$56,400</b>	<b>\$37,100</b>	<b>\$9,300</b>	<b>\$3,500</b>
Importance Code A	\$14,100	\$11,600	\$800	\$800
Importance Code B	\$37,300	\$25,500	\$8,500	\$2,700
Importance Code C	\$5,100			
<b>Total</b>	<b>\$56,400</b>	<b>\$37,100</b>	<b>\$9,300</b>	<b>\$3,500</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**  
**ENGINE CO. 4/LADDER CO. 15 (COMBINED FACILITY) HIGH RISE**  
**Asset # : 13003**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Granite	45%			LIFE	**	5	\$19,400		
Metal Panel	10%			2046	**	5-10	\$39,600		
Wood Overhead Doors	45%	Now	\$83,600	2039	**	5	\$64,700		
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Various Locations</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Front Of Building</i>									
Windows									
Aluminum	50%	2-4	\$7,200	2042	**	5	\$200		
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>									
<i>Location : Front Of Building</i>									
Metal Louvers	50%	Now	\$6,100	2035	**				
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : 3rd Floor</i>									
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : 3rd Floor</i>									
Roof									
Not Accessible	100%								
Interior									
Floors									
Cast in Place Concrete	55%	0-2	\$2,700	LIFE	**	5	\$28,300		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Entry Stair</i>									
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>									
<i>Location : 3rd Floor Corridor.</i>									
Ceramic Tile	10%			2029	\$46,500	5	\$2,400		
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>									
<i>Location : Various Locations</i>									
Quarry Tile	5%			2039	**	5	\$1,800		
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>									
<i>Location : Various Locations</i>									
Vinyl Tile	30%	Now	\$3,100	2026	\$61,200	3	\$2,600		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Various Locations</i>									
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>									
<i>Location : Various Locations</i>									
Interior Walls									
Ceramic Tile	10%	Now	\$5,100	2029	\$101,300	5	\$1,800		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>									
<i>Location : Various Locations</i>									
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>									
<i>Location : 2nd Floor Bathroom.</i>									
Gypsum Board	45%			LIFE	**	5	\$9,700		
SGFT/Glazed Masonry	40%			LIFE	**				
Wood	5%			LIFE	**	5	\$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. 4/LADDER CO. 15 (COMBINED FACILITY) HIGH RISE**  
**Asset # : 13003**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	30%	Now	\$11,700	2039	**	5	\$3,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Exposed Struc: Steel	40%			LIFE	**			
Fiber Board	15%	Now	\$4,700	2026	\$23,500			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor Laundry Room.</i>								
<i>Explanation : Exposed Silver / Foil Insulation Delaminated And Punctured.</i>								
Gypsum Board	15%			LIFE	**	5	\$4,400	
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 800 Amperes, 480v, 3 Phase</i>								
<b>Raceway</b>								
Conduit	80%			2026	\$25,600	1		
Conduit	20%			2036	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	25%			2034	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 800a Main Panel</i>								
Molded Case Bkrs	75%			2034	**	5	\$300	
<b>Wiring</b>								
Thermoplastic	100%			2036	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2031	**	5	\$100	
<b>Ground</b>								
<b>Grounding Devices</b>								
Not Accessible	100%							
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
Automatic	100%			2031	**	1	\$4,900	
<b>Generators</b>								
Diesel	100%			2022	\$67,200	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : 250 Kva, 480v</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. 4/LADDER CO. 15 (COMBINED FACILITY) HIGH RISE**  
**Asset # : 13003**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$600	
Fuel Storage								
Day Tank	100%			2034	**	5	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : 85 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2031	**	10	\$14,400	
<i>Motion Sensors in Use, Extent : Light, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting								
Emergency, Service	50%			2026	\$4,000	1		
Exit, Service	50%			2026	\$900	1		
Exterior Lighting								
HID	10%			2026	\$6,100	10		
No Component	90%							
Alarm								
Fire/Smoke Detection								
No Component	93%							
Generic, Analog	7%	Now	\$11,700	2036	**	1-3	\$600	
<i>Devices Missing, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Electricity	2%			2046	**	1		
Natural Gas	98%			2046	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2039	**	1	\$7,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Direct Vent Boiler</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2042	**	4	\$800	
Terminal Devices								
Convactor/Radiator	40%			2039	**	1	\$2,000	
Fan Coil Unit/Heat	60%			2031	**	1	\$3,100	

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. 4/LADDER CO. 15 (COMBINED FACILITY) HIGH RISE**  
**Asset # : 13003**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
<b>Energy Source</b>								
	Electricity	100%			2048	**	1	
<b>Conversion Equipment</b>								
	Interior Pkg Unit - Cooling	50%	2-4	\$112,600	2030	**	2	\$400
				<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 3rd Floor</i>				
				<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>				
				<i>Location : 3rd Floor</i>				
				<i>Explanation : No Insulation On Outside Air Ducts.</i>				
	Split Unit	50%			2031	**		
<b>Distribution</b>								
	Ductwork/Diffusers	100%			LIFE	**	2	\$20,500
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,800
<b>Exhaust Fans</b>								
	Interior	100%			2031	**	2	\$500
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%			2046	**	1	
<b>Water Heater</b>								
	Gas Fired	100%			2021	\$9,200	2	\$200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 3rd Floor</i>				
				<i>Explanation : Indirect Fired From Boiler / 1 - 120 Gallon Unit</i>				
<b>Sanitary Piping</b>								
	Cast Iron	100%			LIFE	**	1	
				<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>				
				<i>Location : Basement</i>				
				<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : During Rain Sanitary Backs Up Into Fire Station</i>				
<b>Storm Drain Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Fixtures</b>								
	Generic	100%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 40/LADDER CO. 35  
**Address** : 131 AMSTERDAM AVENUE @ W. 66 ST.  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.040 / 13028 **Yr Built/Renovated** : 1961 /  
**Area Sq Ft** : 7,060 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 23-Jan-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Floors 1,2,3  
**Block** : 1137 **Lot** : 7501 **BIN** : 1077844

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Interior Architecture		\$38,100
Electrical		\$87,300
<b>Total</b>		<b>\$125,400</b>
Importance Code B		\$125,400
<b>Total</b>		<b>\$125,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$5,700		\$2,000	
Interior Architecture	\$36,700		\$2,900	\$1,000
Electrical	\$6,500			\$100
Mechanical	\$11,700	\$1,200	\$4,200	\$1,800
<b>Total</b>	<b>\$60,600</b>	<b>\$1,200</b>	<b>\$9,100</b>	<b>\$2,900</b>
Importance Code A	\$5,700		\$2,000	\$200
Importance Code B	\$50,900	\$1,200	\$7,100	\$2,700
Importance Code C	\$3,900			
<b>Total</b>	<b>\$60,600</b>	<b>\$1,200</b>	<b>\$9,100</b>	<b>\$2,900</b>



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. 40/LADDER CO. 35**  
**Asset # : 13028**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Limestone	60%			LIFE	**	5	\$7,800	
Metal Sect. OHD	15%			2042	**	5	\$4,000	
Granite Panels	25%			LIFE	**	5	\$3,200	
Windows								
Aluminum	100%			2045	**	5	\$400	
Soffits								
Masonry: Limestone	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$28,800	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Ceramic Tile	6%			2038	**	5	\$900	
Panel/Paver: Cer/Brk	5%			2045	**	5	\$1,600	
Quarry Tile	4%	Now	\$1,700	2042	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Sheet Vinyl/Rubber	10%			2034	**	5	\$2,200	
Vinyl Tile	30%	Now	\$1,900	2029	\$38,100	3	\$1,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**	10	\$1,500	
<i>Paint Peeling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Cellar</i>								
Ceramic Tile	50%	Now	\$1,700	2032	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Concrete Masonry Unit	10%			LIFE	**	5	\$500	
Gypsum Board	20%	0-2	\$100	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement, Gymnasium, Mechanical Room</i>								
Plaster	10%			LIFE	**	5-10	\$500	
Ceilings								
AcousTileSusp.Lay-In	40%			2042	**	5	\$5,900	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Third Floor Gymnasium</i>								
Exposed Concrete	30%			LIFE	**	5-10	\$5,500	
Exposed Struc: Steel	20%			LIFE	**	10	\$5,900	
Gypsum Board	10%			LIFE	**	5-10	\$5,000	

## Site Enclosure

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 40/LADDER CO. 35**  
**Asset # : 13028**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Site Enclosure</b>								
Free Standing Walls Masonry: Brick	100%			2049		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front</i>								
<i>Explanation : Planter</i>								
<b>Site Pavements</b>								
Public Sidewalk Cast in Place Concrete	100%			2042		**		
Parking/Driveway Cast in Place Concrete	100%			2042		**		
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
Service Equipment Fused Disc Sw	100%			2029	\$4,900	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
Raceway Conduit	100%			2029	\$32,000	1		
Panelboards Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	95%			2028	\$37,400	5	\$200	
Wiring Thermoplastic	100%			2029	\$28,300	1		
Motor Controllers Locally Mounted	100%			2027	\$14,700	5		
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE		**	5	\$200
<b>Lighting</b>								
Interior Lighting Fluorescent	98%			2024	\$19,200	10	\$6,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Incandescent	2%			2024	\$900	2		
Egress Lighting Emergency, Service	60%			2024	\$2,100	1		
No Component	40%							
Exterior Lighting HID	100%			2024	\$27,200	10		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 40/LADDER CO. 35**  
**Asset # : 13028**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Electricity	100%			2055	**	1		
Conversion Equipment Pres. Reducing Valve/LP Steam	100%			2038	**	5	\$400	
Distribution Central Plant Steam Piping/Pmp	100%	Now	\$5,700	2049	**	4	\$300	
<i>Steam Traps Faulty, Extent : Moderate, Area Affected : 5% Location : Basement</i>								
Terminal Devices Air Handler	100%			2034	**	1	\$4,400	
Air Conditioning								
Energy Source Electricity	100%			2051	**	1		
Conversion Equipment Int Pkg Unit - Heating/Cooling	100%			2030	**	2	\$400	
Distribution Ductwork/Diffusers	100%			LIFE	**	2	\$11,500	
Terminal Devices Air Handler/Cool/Ht	100%			2034	**	1	\$4,400	
Ventilation								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,200	
Exhaust Fans Interior	100%			2037	**	2	\$200	
Plumbing								
H/C Water Piping Brass/Copper	100%			2055	**	1		
Water Heater Electric	100%			2028	\$5,900	4	\$100	
HW Heat Exchanger Steam Fired	100%			2055	**	4	\$700	
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%	Now	\$200	2024	\$200	4	\$200	
<i>Broken, Extent : Severe, Area Affected : 100% Location : Basement</i>								
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. 40/LADDER CO. 35**  
**Asset # : 13028**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Standpipe							
	Generic	100%			2049	**	1-5	\$3,600
	Sprinkler							
	No Component	25%						
	Generic	75%			2049	**	1-2	\$1,500

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 22-Mar-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2,3  
**Block** : 2797 **Lot** : 35 **BIN** : 2007448

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$237,500	
Interior Architecture	\$146,500	
<b>Total</b>	<b>\$384,000</b>	
Importance Code A	\$237,500	
Importance Code B	\$146,500	
<b>Total</b>	<b>\$384,000</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$55,500		\$8,000	
Interior Architecture	\$36,900	\$300		\$100
Electrical	\$3,500	\$500	\$7,700	\$500
Mechanical	\$1,100	\$1,300	\$13,100	\$1,100
Site Enclosure	\$14,600			
<b>Total</b>	<b>\$111,600</b>	<b>\$2,000</b>	<b>\$28,800</b>	<b>\$1,600</b>
Importance Code A	\$59,200	\$800	\$8,800	\$800
Importance Code B	\$35,400	\$1,200	\$20,000	\$800
Importance Code C	\$16,900			
<b>Total</b>	<b>\$111,600</b>	<b>\$2,000</b>	<b>\$28,800</b>	<b>\$1,600</b>



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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. 42/LADDER CO. 56**  
**Asset # : 13030**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$46,000	LIFE	**	5	\$14,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Hose Tower</i>								
<i>Repointing Failure, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade, South Facade</i>								
Masonry: Granite	5%	Now	\$2,600	LIFE	**	5	\$800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Building Base</i>								
Masonry: Limestone	10%	Now	\$4,800	LIFE	**	5	\$1,600	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade</i>								
Wood Overhead Doors	15%			2032	**	5	\$16,000	
Windows								
Aluminum	100%	Now	\$22,800	2052	**	5	\$300	
<i>Bent/Warped Elements, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$2,400	LIFE	**	5	\$1,500	
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Corner At Front Of Building</i>								
Masonry: Brick	90%	2-4	\$10,000	LIFE	**	5	\$1,700	
<i>Expansion Jnt Failure, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Corner At Front Of Building</i>								
Roof								
Modified Bitumen	97%	Now	\$191,500	2037	**			1
<i>Alligatoring, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Third Floor At Bulkhead</i>								
Skylight, Metal/Glass	3%	Now	\$12,900	2053	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, 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. 42/LADDER CO. 56**  
**Asset # : 13030**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	85%	Now	\$5,400	LIFE	**	5	\$22,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room And Second Floor</i>								
Ceramic Tile	5%			2036	**	5	\$600	
Quarry Tile	4%			2040	**	5	\$700	
Terrazzo	1%			LIFE	**	5	\$100	
Vinyl Tile	5%	0-2	\$2,100	2035	**	3	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : 2nd Floor Front</i>								
<i>Explanation : 9 X 9 Tiles</i>								
Interior Walls								
Ceramic Tile	5%			2040	**	5	\$300	
Gypsum Board	10%			LIFE	**	5	\$400	
Masonry: Brick	20%			LIFE	**			
Plaster	20%	0-2	\$2,100	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Due To Water Infiltration</i>								
SGFT/Glazed Masonry	40%			LIFE	**			
Wood	5%			LIFE	**	5	\$1,300	
Ceilings								
Exposed Concrete	25%	Now	\$12,400	LIFE	**	5	\$600	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Basement, At Front Of Building</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Basement, At Front Of Building</i>								
Exposed Struc: Steel	15%	Now	\$146,500	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Areas At Metal Deck And Support Steel</i>								
Gypsum Board	5%	Now	\$3,100	LIFE	**	5	\$900	
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor Rear Of Building</i>								
Plaster	55%	0-2	\$11,200	LIFE	**	5	\$5,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Where Water Penetration/ Leaks Are Found</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	2-4	\$12,500	2057	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Roll-up Gate</i>								
Free Standing Walls								
Concrete Masonry Unit	100%	Now	\$2,100	2053	**			
<i>Loose Units, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Upper Left Corner When Seen From Yard</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 42/LADDER CO. 56**  
**Asset # : 13030**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Site Pavements

## On-Site Walkways

Cast in Place Concrete	100%			2040	**			
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## Parking/Driveway

Cast in Place Concrete	100%			2040	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%	2-4	\$3,000	2047	**	5		
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*Enclosure Corroded, Extent : Moderate, Area Affected : 50%**Location : Basement Con Ed Service End Box**Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Rear**Explanation : 200 Amperes Fused Switch.*

## Raceway

Conduit	100%			2037	**	1		
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## Panelboards

Molded Case Bkrs	100%			2035	**	5	\$200	
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## Wiring

Thermoplastic	100%			2037	**	1		
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## Motor Controllers

Locally Mounted	100%			2032	**	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Boiler Room**Explanation : Heating System Equipment*

## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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## Lighting

## Interior Lighting

Fluorescent	95%			2032	**	10	\$7,000	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Throughout*

Incandescent	5%			2027	\$2,600	2		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Dining Room**Explanation : Incandescent Lights*

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. 42/LADDER CO. 56**  
**Asset # : 13030**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Exterior Lighting HID	50%			2027	\$15,500	10		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Explanation : HID Lamps, Controlled Via Time Clock</i>								
Incandescent	50%			2027	\$13,200	2		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Explanation : Flag Uplights, Controlled Via Time Clock</i>								
<b>Alarm</b>								
Fire/Smoke Detection Generic, Analog	100%			2037	**	1-3	\$5,000	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2047	**	1		
Conversion Equipment Steam Boiler	100%			2040	**	1	\$8,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2037	**	4	\$600	
Terminal Devices Convactor/Radiator	100%			2032	**	1	\$2,600	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2043	**	1		
Conversion Equipment Window/Wall Unit	75%			2022	\$12,000	1		
No Component	25%							
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	100%			2037	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Water Heater Gas Fired	100%			2025	\$4,700	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 75 Gallon Unit</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 42/LADDER CO. 56**  
**Asset # : 13030**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2032	**	1	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Serves Boiler Only</i>							
<b>Fixtures</b>								
	Generic	100%						
	<i>Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Various</i>							
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Fixtures Recently Replaced</i>							

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 20-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 2881 **Lot** : 140 **BIN** : 2009252

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$83,400
Mechanical		\$56,900
<b>Total</b>		<b>\$140,200</b>
Importance Code A		\$83,400
Importance Code B		\$56,900
<b>Total</b>		<b>\$140,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$8,200		\$1,500	\$7,800
Interior Architecture	\$43,400	\$300	\$2,700	\$500
Electrical	\$3,900		\$3,100	\$100
Mechanical	\$1,200	\$1,400	\$10,200	\$1,200
<b>Total</b>	<b>\$56,800</b>	<b>\$1,700</b>	<b>\$17,500</b>	<b>\$9,600</b>
Importance Code A	\$9,000	\$800	\$2,300	\$8,600
Importance Code B	\$47,800	\$800	\$15,200	\$1,000
Importance Code C		\$100		
<b>Total</b>	<b>\$56,800</b>	<b>\$1,700</b>	<b>\$17,500</b>	<b>\$9,600</b>



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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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2037	**	10	\$600	
Masonry: Brick	80%			LIFE	**	5	\$15,700	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 3%</i>								
<i>Location : South Wall At Driveway Has Vehicular Impact Damage</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : North Wall At Grease Exhaust - Grease Stains On Brick</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Side Elevation Next To Park</i>								
Masonry: Granite	1%			LIFE	**	5	\$100	
Masonry: Limestone	4%			LIFE	**	5	\$600	
Metal Sect. OHD	5%			2032	**	5	\$3,100	
Windows								
Aluminum	98%	Now	\$8,200	2043	**	5	\$200	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Wood	2%			2043	**	5	\$100	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,000	
Masonry: Brick	90%			LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Parapet Wall Exhibits Cracking</i>								
Roof								
Modified Bitumen	78%			2027		10	\$6,000	
<i>Blisters, Extent : Light, Area Affected : 5%</i>								
<i>Location : Roof</i>								
<i>Miss/Damaged Flashings, Extent : Light, Area Affected : 2%</i>								
<i>Location : Roof Front Wall</i>								
Roll Roofing	20%			2023		5	\$2,600	
Skylight, Metal/Glass	2%			2037	**	10	\$500	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$10,800	
Ceramic Tile	3%			2036	**	5	\$300	
Ceramic Tile	2%	Now	\$4,300	2042	**	5	\$100	
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Shower Room</i>								
Quarry Tile	5%	2-4	\$800	2040	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	5%			2032	**	3	\$300	
Vinyl Tile	30%	Now	\$28,400	2037	**	3	\$1,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	10%			2042	**	5	\$2,000	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 43/LADDER CO. 59**  
**Asset # : 13031**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Interior

## Interior Walls

Ceramic Tile	5%			2036	**	5	\$300	
Concrete Masonry Unit	5%			LIFE	**	5	\$100	
Gypsum Board	10%			LIFE	**	5	\$400	
Masonry: Brick	2%			LIFE	**			
Plaster	40%			LIFE	**	5	\$700	
Plywood/Hardboard	3%			LIFE	**			
SGFT/Glazed Masonry	35%			LIFE	**			

*Broken/Missing Elements, Extent : Light, Area Affected : 2%*

*Location : At Stair/ Missing Elements*

## Ceilings

AcousTileSusp.Lay-In	30%			2032	**	5	\$3,300	
Embossed Metal	50%	Now	\$9,800	LIFE	**	5	\$2,500	

*Broken/Missing Elements, Extent : Moderate, Area Affected : 5%*

*Location : Apparatus Room Front*

*Deformed/Dented, Extent : Moderate, Area Affected : 5%*

*Location : 1st And 2nd Floors*

Exposed Struc: Steel	20%			LIFE	**			
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## Site Enclosure

## Fence/Gates

Chain Link	100%			2037	**			
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## Retaining Walls

Cast in Place Concrete	100%			2062	**			
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## Site Pavements

## Parking/Driveway

Cast in Place Concrete	100%			2032	**			
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<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2037	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Basement Electrical Section*

*Explanation : 200 Amperes Disconnect Switch*

## Switchgear / Switchboard

Molded Case Bkrs	100%			2037	**	5	\$200	
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## Raceway

Conduit	50%			2037	**	1		
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Conduit	50%			2047	**	1		
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 43/LADDER CO. 59**  
**Asset # : 13031**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Panelboards</b>								
Molded Case Bkrs	50%	Now	\$3,900	2035	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Apparatus Circuit Breaker Trips</i>								
Molded Case Bkrs	50%			2043	**	5	\$100	
<b>Wiring</b>								
Thermoplastic	60%			2037	**	1		
Thermoplastic	40%			2047	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2032	**	5	\$100	
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Water Main</i>								
<i>Explanation : Recently Installed</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	10%			2027	\$2,200	10	\$700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Incandescent	5%			2022	\$2,600	2		
LED	85%			2032	**			
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement 1st And 2nd Floors</i>								
<b>Egress Lighting</b>								
Exit, Service	25%			2027	\$200	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Front Area</i>								
No Component	75%							
<b>Exterior Lighting</b>								
HID	95%			2027	\$29,100	10		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Facade And Side</i>								
<i>Explanation : Wall Mounted, Controlled Via Local Photocell</i>								
Incandescent	5%			2022	\$300	2		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Electricity	1%			2047	**	1		
Natural Gas	99%			2047	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 43/LADDER CO. 59**  
**Asset # : 13031**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Radiant Heater	1%			2032	**	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Electric Unit Heater</i>						
Steam Boiler	99%			2040	**	1	\$7,800	
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$600	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$2,600	
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Interior Pkg Unit - Cooling	20%			2028	\$56,900	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Serves Sitting Room&amp;raquet Ball Court</i>						
Reciprocating Compr/Chiller	20%			2032	**	1	\$700	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Lower Roof</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Serves Members Room</i>						
Window/Wall Unit	50%			2022	\$7,900	1		
No Component	10%							
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2	\$2,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Sitting And Members Rooms</i>						
No Component	80%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2027	\$13,000	1	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Members Room</i>						
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,400	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 43/LADDER CO. 59**  
**Asset # : 13031**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
	Exhaust Fans							
	Interior	90%			2027	\$24,400	2	\$200
	Roof	10%			2032	**	2	
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2037	**	1	
				<i>Antiquated, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>No Water Meter, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
	Water Heater							
	Gas Fired	100%			2025	\$4,600	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 - 75 Gallon Units</i>				
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2032	**	1	
	Fixtures							
	Generic	100%						

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\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 14-Aug-2012 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 1430 **Lot** : 10 **BIN** : 1044059

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$45,000	\$146,100
Interior Architecture	\$60,200	
Electrical	\$59,700	
<b>Total</b>	<b>\$165,000</b>	<b>\$146,100</b>
Importance Code A	\$45,000	\$146,100
Importance Code B	\$119,900	
<b>Total</b>	<b>\$165,000</b>	<b>\$146,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$14,500		\$100	
Interior Architecture	\$97,200			\$1,000
Electrical	\$24,700	\$100		\$35,600
Mechanical	\$27,300	\$4,600	\$1,100	\$800
<b>Total</b>	<b>\$163,800</b>	<b>\$4,700</b>	<b>\$1,200</b>	<b>\$37,500</b>
Importance Code A	\$15,100	\$600	\$700	\$5,600
Importance Code B	\$137,100	\$4,100	\$500	\$31,700
Importance Code C	\$11,600			\$200
<b>Total</b>	<b>\$163,800</b>	<b>\$4,700</b>	<b>\$1,200</b>	<b>\$37,500</b>



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. 44**  
**Asset # : 13032**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$45,000	LIFE	**	5	\$14,600	
<i>Efflorescence, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Masonry: Limestone	15%			LIFE	**	5	\$2,400	
Metal Panel	5%	0-2	\$800	2033	**	5	\$2,000	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	10%	0-2	\$6,700	2028	\$67,500	5	\$5,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	0-2	\$2,200	2039	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$600	
Metal Cornice	20%			2038	**	10	\$500	
Roof								
Asphalt Shingle	5%			2032	**	10	\$100	
Modified Bitumen	90%			2028	\$78,600	10	\$5,700	
Skylight, Metal/Glass	5%	0-2	\$4,800	2033	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 44**  
**Asset # : 13032**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	30%	Now	\$29,200	LIFE	**	5	\$6,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2038	**	5	\$500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%	Now	\$5,400	2028	\$13,500	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	30%	Now	\$23,900	2033	**	3	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Wood	30%	4+	\$4,600	2038	**	5	\$2,600	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2038	**	5	\$500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	15%			LIFE	**			
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
Plaster	60%	Now	\$4,400	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								
SGFT/Glazed Masonry	20%	0-2	\$7,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 44**  
**Asset # : 13032**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%			2043	**	5	\$500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Embossed Metal	68%	Now	\$22,400	LIFE	**	5	\$2,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								
Exposed Concrete	20%	Now	\$60,200	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded Steel Members</i>								
Exposed Struc: Wood	5%			LIFE	**			
Gypsum Board	1%			LIFE	**	5	\$100	
Plaster	1%	0-2	\$100	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2023	\$4,900	5		
<i>Enclosure Corroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Available Nameplate Ratings.</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2023	\$49,900	5	\$200	
<b>Raceway</b>								
Conduit	25%			2023	\$8,000	1		
Conduit	75%			2033	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	75%			2031	**	5	\$100	
Molded Case Bkrs	25%			2022	\$9,800	5		
<b>Wiring</b>								
Thermoplastic	100%			2033	**	1		

**Ground**

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 44**  
**Asset # : 13032**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location :</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	98%			2023	\$17,000	10	\$5,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	1%			2020	\$200	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : T-12 Lamps</i>								
Incandescent	1%			2020	\$400	2		
Exterior Lighting HID	100%			2020	\$24,100	10		
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source Natural Gas	100%			2043	**	1		
Conversion Equipment Steam Boiler	100%			2036	**	1	\$6,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2033	**	4	\$500	
Terminal Devices Convactor/Radiator	100%	Now	\$1,600	2028	\$32,000	1	\$1,800	
<i>Leak Evident, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Gymnasium Radiator</i>								
<b>Air Conditioning</b>								
Conversion Equipment Window/Wall Unit	100%			2020	\$12,400	1		
<b>Ventilation</b>								
Distribution Ductwork/Diffusers	50%	Now	\$2,800	LIFE	**	2-5	\$1,700	
<i>Inadequate Supply, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st Floor</i>								
No Component	50%							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 44**  
**Asset # : 13032**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
	Exhaust Fans							
	Interior	100%	Now	\$4,300	2028	\$21,300	2	\$200
		<i>Broken, Extent : Severe, Area Affected : 30%</i>						
		<i>Location : Apparatus</i>						
<b>Plumbing</b>								
	H/C Water Piping							
	Galvanized Steel	100%			2036	**	1	
	Water Heater							
	Gas Fired	100%			2021	\$3,600	2	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units</i>						
	Sanitary Piping							
	Cast Iron	100%	Now	\$4,400	LIFE	**	1	
		<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>						
		<i>Location : Basement Bathroom, When It Rains</i>						
	Storm Drain Piping							
	Cast Iron	100%	Now	\$1,200	LIFE	**	1	
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Basement, When It Rains</i>						
	Fixtures							
	Generic	100%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 46 / LADDER CO. 27 COMBINED FACILITY  
**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** : 21-Mar-2016 Landmark Status : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 2907 Lot : 10 BIN : 2009509

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$154,600	\$178,000
Electrical		\$31,500
Mechanical		\$94,200
<b>Total</b>	<b>\$154,600</b>	<b>\$303,700</b>
Importance Code A	\$154,600	\$178,000
Importance Code B		\$125,700
<b>Total</b>	<b>\$154,600</b>	<b>\$303,700</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$12,300		\$2,900	
Interior Architecture	\$6,700			\$600
Electrical	\$3,900	\$100	\$50,600	
Mechanical	\$34,500	\$1,200	\$4,900	\$1,200
<b>Total</b>	<b>\$57,400</b>	<b>\$1,300</b>	<b>\$58,300</b>	<b>\$1,800</b>
Importance Code A	\$12,300		\$2,900	
Importance Code B	\$43,500	\$1,300	\$55,400	\$1,800
Importance Code C	\$1,600			
<b>Total</b>	<b>\$57,400</b>	<b>\$1,300</b>	<b>\$58,300</b>	<b>\$1,800</b>



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. 46 / LADDER CO. 27 COMBINED FACILITY**  
**Asset # : 13034**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	70%	Now	\$119,000	LIFE	**	5	\$12,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Elevation Near Side Door</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Over Front Ohd Entrance</i>								
Metal Sect. OHD	10%			2032	**	5	\$5,800	
Pre-Cast Concrete	20%			LIFE	**	5	\$12,000	
<b>Windows</b>								
Aluminum	100%	2-4	\$2,000	2035	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<b>Parapets</b>								
Cast Stone/Terra Cotta	15%	Now	\$300	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : High Roof</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Parapet</i>								
Masonry: Brick	85%	0-2	\$10,100	LIFE	**	5	\$600	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout Parapet</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof And Mechanical Bulkhead</i>								
<i>Miss/Damaged Copings, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Main Roof At Front Of Building</i>								
<b>Roof</b>								
Modified Bitumen	100%	2-4	\$35,600	2027	\$178,000			
<i>Alligatoring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	40%			LIFE	**	5	\$12,800	
Ceramic Tile	15%			2030	**	5	\$2,200	
Terrazzo	10%			LIFE	**	5	\$1,100	
Vinyl Tile	20%	2-4	\$500	2027	\$25,500	3	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : 2nd Floor And Penthouse</i>								
<i>Explanation : 9 X 9 Tiles</i>								
Vinyl Tile 9" X 9"	15%	Now	\$500	2027	\$24,700	3	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor And Penthouse</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. 46 / LADDER CO. 27 COMBINED FACILITY**

**Asset # : 13034**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Interior**

**Interior Walls**

Ceramic Tile	10%			2030	**	5	\$900	
Concrete Masonry Unit	20%			LIFE	**	5	\$700	
Gypsum Board	10%			LIFE	**	5	\$500	
Plaster	33%	Now	\$1,200	LIFE	**	5	\$900	

*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%*

*Location : Walls Adjacent To Steam Room/ Sauna And Weight Room*

Plywood/Hardboard	2%			LIFE	**			
SGFT/Glazed Masonry	25%			LIFE	**			

**Ceilings**

AcousTileSusp.Lay-In	30%	0-2	\$1,700	2040	**	5	\$2,100	
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*Staining/Discoloring, Extent : Light, Area Affected : 10%*

*Location : 2nd Floor Ceiling Below Roof*

*Worn/Eroded, Extent : Moderate, Area Affected : 15%*

*Location : Throughout*

Exposed Concrete	35%			LIFE	**	5	\$800	
Plaster	35%	Now	\$1,300	LIFE	**	5	\$3,000	

*Paint Peeling, Extent : Light, Area Affected : 2%*

*Location : Kitchen*

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Under 600 Volts**

**Raceway**

Conduit	100%			2037	**	1		
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**Panelboards**

Molded Case Bkrs	80%			2026	\$31,500	5	\$200	
Molded Case Bkrs	20%	4+	\$3,900	2035	**	5		

*Cracked Case, Extent : Moderate, Area Affected : 50%*

*Location : 1st Floor And Bunk Room*

**Wiring**

Thermoplastic	100%			2037	**	1		
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**Ground**

**Grounding Devices**

Not Accessible	100%							
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**Lighting**

**Interior Lighting**

Fluorescent	40%			2022	\$9,700	10	\$3,200	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%*

*Location : Throughout*

Incandescent	10%			2022	\$5,800	2		
LED	50%			2032	**			

*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. 46 / LADDER CO. 27 COMBINED FACILITY**  
**Asset # : 13034**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Lighting

Egress Lighting  
Emergency, Service

50%  
2027 \$2,200 1  
*Other Observation, Extent : Moderate, Area Affected : 100%*  
*Location : Throughout*  
*Explanation : Limited Emergency Lighting*

No Component

50%

## Exterior Lighting

HID

60% 2022 \$20,300 10

Incandescent

40% 2022 \$11,500 2

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Heating

Energy Source

Natural Gas

100% 2047 \* \* 1

Conversion Equipment

Not Accessible

100%  
*Other Observation, Extent : Light, Area Affected : 0%*  
*Location : Throughout*  
*Explanation : Served By Adjacent N Y P D Building*

Distribution

Not Accessible

100%  
*Other Observation, Extent : Light, Area Affected : 0%*  
*Location : Throughout*  
*Explanation : Served By Adjacent N Y P D Building*

Terminal Devices

Convactor/Radiator

50% Now \$1,100 2040 \* \* 1 \$1,300  
*Other Observation, Extent : Moderate, Area Affected : 100%*  
*Location : Throughout*  
*Explanation : Comfort Control Issues*

Unit Heater - Steam

50% 2032 \* \* 4 \$600  
*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% 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. 46 / LADDER CO. 27 COMBINED FACILITY**  
**Asset # : 13034**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Centrifugal, Elec Chiller	50%			2036	**	1	\$4,800	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Units Serviced And Controlled By Adjacent NYPD Building</i>								
Split Unit	10%			2032	**			
Window/Wall Unit	40%			2020	\$7,000	1		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Window Units Required Due To Ineffective Cooling From Units In The Adjacent NYPD Building</i>								
Distribution								
Ductwork/Diffusers	100%	Now	\$4,500	LIFE	**	2	\$11,400	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Many Diffusers Covered Over Or Damaged</i>								
Terminal Devices								
Air Handler/Cool/Ht	100%	Now	\$9,400	2027	\$94,200	1	\$4,900	
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Penthouse On Roof</i>								
<i>Explanation : Air Handlers Serviced And Controlled By Adjacent NYPD Building/ Comfort Control Issues</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,900	
Exhaust Fans								
Interior	10%	Now	\$3,000	2037	**	2		
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Ceiling Of The 2nd Floor</i>								
Interior	40%			2032	**	2	\$100	
Roof	50%			2032	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Old Fan Abandoned In Place</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Faucet Drips</i>								
Water Heater								
Gas Fired	100%			2020	\$5,100	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Police Precinct Next Door</i>								
<i>Explanation : 2-75 Gallon Water Heaters</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 46 / LADDER CO. 27 COMBINED FACILITY**  
**Asset # : 13034**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%	Now	\$3,500	LIFE	**	1	
			<i>Blockage /Clogged, Extent : Severe, Area Affected : 40%</i>					
			<i>Location : 1st Floor Drain</i>					
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Chemical System							
	Wet	10%			2025	\$2,700	1-3	\$400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : System</i>					
	No Component	90%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 47  
**Address** : 502 WEST 113TH STREET @ AMSTERDAM AVE.  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.047 / 13035 **Yr Built/Renovated** : 1889 /  
**Area Sq Ft** : 5,244 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 24-Jan-2018 **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3,4  
**Block** : 1884 **Lot** : 39 **BIN** : 1057000

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$78,300
Electrical		\$23,600
<b>Total</b>		<b>\$101,900</b>
Importance Code A		\$78,300
Importance Code B		\$23,600
<b>Total</b>		<b>\$101,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$107,400			
Interior Architecture	\$32,900		\$2,100	
Electrical	\$600			
Mechanical	\$700	\$900	\$700	\$900
Site Pavements	\$1,200			
<b>Total</b>	<b>\$142,800</b>	<b>\$900</b>	<b>\$2,900</b>	<b>\$900</b>
Importance Code A	\$107,900	\$500	\$500	\$500
Importance Code B	\$17,300	\$300	\$2,000	\$400
Importance Code C	\$17,700		\$300	
<b>Total</b>	<b>\$142,800</b>	<b>\$900</b>	<b>\$2,900</b>	<b>\$900</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 47**  
**Asset # : 13035**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$18,300	
Masonry: Brick	80%	Now	\$31,400	LIFE	**	5	\$18,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : East Side Of Building</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brownstone	10%	2-4	\$19,700	LIFE	**	5	\$1,800	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	5%	Now	\$800	2034	**	5	\$2,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Glazing In Overhead Sectional Door Front Facade</i>								
Windows								
Aluminum	100%	Now	\$8,600	2037	**	5	\$300	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	45%			LIFE	**	5-10	\$2,200	
Masonry: Sandstone	10%	Now	\$3,500	LIFE	**	5	\$100	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All Parapets</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 50%</i>								
<i>Location : All Parapet Copings</i>								
Metal Panel	45%			2039	**	5	\$1,200	
Roof								
Asphalt Shingle	10%	Now	\$1,100	2032	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Built-Up (BUR)	90%	Now	\$31,300	2029	\$78,300			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Base Flashing Broken</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 47**  
**Asset # : 13035**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Soffits								
Masonry: Brownstone	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	10%	2-4	\$1,400	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2032	**	5	\$600	
Mosaic Tile	2%			2034	**	5	\$600	
Quarry Tile	5%			2042	**	5	\$900	
Vinyl Tile	68%			2034	**	3	\$3,100	
Wood	10%	Now	\$4,500	2044	**	5	\$1,100	
<i>Uneven Surface, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 4th Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 4th Floor</i>								
Interior Walls								
Ceramic Tile	5%			2032	**	5	\$700	
Concrete Masonry Unit	5%			LIFE	**	5	\$500	
Gypsum Board	10%			LIFE	**	5-10	\$2,300	
Masonry: Brick	10%	Now	\$11,700	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement Towards Front</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Metal Panel	10%	Now	\$2,100	LIFE	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Plaster	60%	Now	\$1,400	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout, Gymnasium</i>								
Ceilings								
AcousTileSusp.Lay-In	10%			2034	**	5	\$900	
Embossed Metal	90%	4+	\$10,100	LIFE	**	5	\$3,700	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$500	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$400	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 47**  
**Asset # : 13035**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

## Site Pavements

## Parking/Driveway

Cast in Place Concrete	100%	0-2	\$400	2042	**			
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Throughout*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2049	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 400 Ampere Main Disconnect Switch*

## Raceway

Conduit	85%			2029	\$29,700	1		
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Conduit	15%			2049	**	1		
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## Panelboards

Fused Disc Sw	5%			2028	\$2,100	5		
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Molded Case Bkrs	40%			2045	**	5	\$100	
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Molded Case Bkrs	55%			2028	\$23,600	5	\$100	
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*Obsolete Equipment, Extent : Moderate, Area Affected : 50%**Location : First Floor*

## Wiring

Thermoplastic	40%			2049	**	1		
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Thermoplastic	60%			2029	\$18,500	1		
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## Motor Controllers

Locally Mounted	100%			2027	\$16,000	5		
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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## Lighting

## Interior Lighting

Fluorescent	90%			2034	**	10	\$4,300	
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*T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%**Location : Throughout*

Fluorescent	10%			2024	\$1,600	10	\$500	
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*T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 10%**Location : Basement*

## Exterior Lighting

HID	100%			2024	\$22,000	10		
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future 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. 47**  
**Asset # : 13035**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2055	**	1		
Conversion Equipment								
Steam Boiler	100%			2046	**	1	\$5,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	**	4	\$300	
Terminal Devices								
Convactor/Radiator	90%			2034	**	1	\$1,500	
Unit Heater - Steam	10%			2029	\$2,000	4	\$100	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2051	**	1		
Conversion Equipment								
Window/Wall Unit	40%			2024	\$4,600	1		
No Component	60%							
<b>Ventilation</b>								
Exhaust Fans								
Interior	100%			2029	\$19,400	2	\$200	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2049	**	1		
Water Heater								
Gas Fired	100%			2024	\$3,300	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 74 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
<b>Fire Suppression</b>								
Chemical System								
Wet	10%			2027	\$2,900	1-3	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Ansul-102</i>								
No Component	80%							
Generic	10%			2027	\$2,900	1-3	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057  
ENGINE CO. 47  
Asset # : 13035**

Print Date : 25-Oct-2018      **FIRE DEPARTMENT - FY 2019**

<b>Asset Name</b>	: ENGINE CO. 48 DIVISION 7 COMMAND CENTER		
<b>Address</b>	: 2417 WEBSTER AVENUE		
<b>Borough</b>	: BRONX	<b>Agency's Number</b>	: N/A
<b>Program / Asset #</b>	: FIRSECO.048 / 13036	<b>Yr Built/Renovated</b>	: 1977 / 2010
<b>Area Sq Ft</b>	: 11,300	<b>Project Type</b>	: FIRE DEPARTMENT
<b>Date of Survey</b>	: 04-May-2016	<b>Landmark Status</b>	: NONE
<b>Areas Surveyed</b>	: Roof, Floors 1,2		
<b>Block</b>	: 3025	<b>Lot</b>	: 25
		<b>BIN</b>	: 2011061

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$259,700	
Electrical	\$67,200	\$77,400
Mechanical	\$17,700	
<b>Total</b>	<b>\$344,600</b>	<b>\$77,400</b>
Importance Code A	\$259,700	
Importance Code B	\$84,900	\$77,400
<b>Total</b>	<b>\$344,600</b>	<b>\$77,400</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$45,000		\$3,300	
Interior Architecture	\$44,900	\$400	\$1,900	\$400
Electrical	\$12,400	\$1,400	\$8,300	\$800
Mechanical	\$12,900	\$1,400	\$34,500	\$1,400
<b>Total</b>	<b>\$115,200</b>	<b>\$3,200</b>	<b>\$48,000</b>	<b>\$2,600</b>
Importance Code A	\$45,600	\$600	\$4,000	\$600
Importance Code B	\$63,800	\$2,600	\$44,000	\$2,000
Importance Code C	\$5,800			
<b>Total</b>	<b>\$115,200</b>	<b>\$3,200</b>	<b>\$48,000</b>	<b>\$2,600</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**  
**ENGINE CO. 48 DIVISION 7 COMMAND CENTER**  
**Asset # : 13036**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	10%	0-2	\$5,600	LIFE	**	5	\$9,700	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
Masonry: Brick	75%	4+	\$22,400	LIFE	**	5	\$14,500	
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Lower Story</i>								
Metal Panel	5%	0-2	\$700	2037	**	5	\$1,800	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
<i>Loose/Miss Fasteners, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
Metal Sect. OHD	10%			2032	**	5	\$6,100	
Windows								
Aluminum	97%	Now	\$16,100	2043	**	5	\$800	
<i>Air Infiltration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Bunk Room, Kitchen</i>								
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Bunk Room, Kitchen</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bunk Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Protective Metal Grilles</i>								
Metal Louvers	3%			2030	**	10	\$300	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$1,400	
Metal Panel	10%			2047	**	5	\$600	
Roof								
Modified Bitumen	100%	Now	\$43,300	2022	\$216,400			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Drains Inad/Misposn, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Main Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</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. 48 DIVISION 7 COMMAND CENTER**  
**Asset # : 13036**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	45%	Now	\$15,900	LIFE	**	5	\$16,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor, Gymnasium, Kitchen</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor, Gymnasium, Kitchen -- Backup From Storm Drain</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Apparatus Floor, Gymnasium, Kitchen</i>								
Ceramic Tile	5%			2036	**	5	\$800	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : First Floor Bathroom</i>								
Ceramic Tile	5%	Now	\$4,900	2040	**	5	\$400	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Bathrooms</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd Floor Bathrooms - Improper Install</i>								
<i>Explanation : Mold</i>								
Quarry Tile	10%			2040	**	5	\$2,500	
Sheet Vinyl/Rubber	15%			2032	**	5	\$3,800	
Vinyl Tile	15%	2-4	\$2,200	2032	**	3	\$900	
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>								
<i>Location : Second Floor Corridor, Bunk Room, Locker Room</i>								
Vinyl Tile	5%	Now	\$7,200	2037	**	3	\$300	
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Areas Of First And Second Floors</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$1,600	2036	**	5	\$600	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : First Floor Bathroom</i>								
Ceramic Tile	5%	Now	\$3,200	2040	**	5	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor Bathrooms - Improper Install</i>								
<i>Explanation : Mold</i>								
Concrete Masonry Unit	30%			LIFE	**	5	\$2,800	
Gypsum Board	20%	Now	\$1,000	LIFE	**	5	\$2,800	
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Room</i>								
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. 48 DIVISION 7 COMMAND CENTER**  
**Asset # : 13036**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Interior

## Ceilings

AcousTileSusp.Lay-In	55%	Now	\$7,600	2040	**	5	\$4,600	
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*Broken/Missing Elements, Extent : Severe, Area Affected : 10%*

*Location : Second Floor*

Exposed Concrete	40%			LIFE	**	5	\$1,000	
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Gypsum Board	5%			LIFE	**	5	\$1,000	
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*Broken/Missing Elements, Extent : Moderate, Area Affected : 20%*

*Location : At Roof Hatch - Second Floor*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Molded Case Bkrs	100%			2027	\$4,900	5	\$300	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : 1st Floor*

*Explanation : No Available Nameplate Ratings*

## Switchgear / Switchboard

Molded Case Bkrs	100%			2027	\$49,900	5	\$300	
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## Raceway

Conduit	70%			2027	\$22,400	1		
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Conduit	30%			2047	**	1		
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## Panelboards

Molded Case Bkrs	30%			2043	**	5	\$100	
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Molded Case Bkrs	70%			2026	\$27,500	5	\$200	
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## Wiring

Thermoplastic	70%			2027	\$19,800	1		
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Thermoplastic	30%			2047	**	1		
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## Motor Controllers

Locally Mounted	100%			2025	\$14,700	5	\$100	
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## Ground

## Grounding Devices

Generic	100%	0-2	\$9,700	LIFE	**	5	\$200	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : 1st Floor*

*Explanation : Corroded*

## Stand-by Power

## Transfer Switches

Automatic	100%			2040	**	1	\$3,500	
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## Generators

Diesel	100%			2023	\$67,200	1	\$4,400	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Basement*

*Explanation : Emergency Generator Rated At 17.5 Kw*

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**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
<b>Batteries</b>								
Lead/Acid	100%			2020	\$1,500	5	\$400	
<b>Fuel Storage</b>								
Day Tank	50%			2026	\$400	5	\$1,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 30 Gallons Rated Capacity</i>								
Main Tank	50%			2030	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	70%			2032	**	10	\$7,300	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
LED	30%			2035	**			
<b>Egress Lighting</b>								
Emergency, Battery	50%			2035	**	10	\$1,400	
Exit, LED	50%			2062	**	1		
<b>Exterior Lighting</b>								
HID	20%			2027	\$8,700	10		
No Component	80%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	100%			2047	**	1		
<b>Conversion Equipment</b>								
Hot Water Boiler	100%			2044	**	1	\$5,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
<b>Distribution</b>								
Hot Wtr Piping/Pump	100%	Now	\$800	2035	**	4	\$600	
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Temperature Controler</i>								
<b>Terminal Devices</b>								
Convactor/Radiator	60%	Now	\$1,700	2032	**	1	\$2,000	
<i>Damaged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Tv Room</i>								
Unit Heater - Steam	40%			2032	**	4	\$600	

**Air Conditioning**

*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. 48 DIVISION 7 COMMAND CENTER**  
**Asset # : 13036**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Split Unit	40%			2032	**			
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Units. R-410a</i>								
Split Unit	5%			2022	\$11,500			
<i>R-22 Refrigerant, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1 Unit. Roof</i>								
Window/Wall Unit	15%			2022	\$3,400	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	40%			2032	**	1	\$1,500	
Fan Coil - 2 Pipe	5%			2022	\$6,200	1	\$200	
No Component	55%							
Heat Rejection								
Dry Cooler	40%			2032	**	2	\$3,200	
Dry Cooler	5%			2022	\$1,800	2	\$400	
No Component	55%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%	Now	\$4,000	LIFE	**	2-5	\$2,500	
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Air Circulation Is Very Poor In 2nd Floor Specially The Stay Room.</i>								
No Component	60%							
Exhaust Fans								
Roof	25%			2035	**	2	\$100	
Roof	25%	Now	\$400	2027	\$4,500	2	\$100	
<i>Not in Service, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Roof</i>								
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%			2025	\$6,600	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 2-75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$4,000	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Operational Area</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 48 DIVISION 7 COMMAND CENTER**  
**Asset # : 13036**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
	Sprinkler							
	No Component	80%						
	Generic	20%			2037	**	1-2	\$600
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : 2nd Floor</i>					
			<i>Explanation : Partial System Serves Command Center And Corridors</i>					
<b>Chemical System</b>								
	Generic	100%			2022	\$26,700	1-3	\$3,700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

### FIRE DEPARTMENT - FY 2019

<b>Asset Name</b>	: ENGINE CO. 5		
<b>Address</b>	: 340 EAST 14th STREET		
<b>Borough</b>	: MANHATTAN	<b>Agency's Number</b>	: N/A
<b>Program / Asset #</b>	: FIRSECO.005 / 13004	<b>Yr Built/Renovated</b>	: 1880 / 2002
<b>Area Sq Ft</b>	: 5,727	<b>Project Type</b>	: FIRE DEPARTMENT
<b>Date of Survey</b>	: 05-Apr-2016	<b>Landmark Status</b>	: NONE
<b>Areas Surveyed</b>	: Floors 1		
<b>Block</b>	: 455	<b>Lot</b>	: 28
		<b>BIN</b>	: 1006520

#### CAPITAL

Total

Importance Code

Total

#### EXPENSE

Total

Importance Code

Total



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
 Estimates are rounded to the nearest hundred dollars.  
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
 \*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 5**  
**Asset # : 13004**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Exterior								
Exterior Walls								
Under Construction	100%							
Windows								
Under Construction	100%							
Parapets								
Under Construction	100%							
Roof								
Under Construction	100%							
Interior								
Floors								
Under Construction	100%							
Interior Walls								
Under Construction	100%							
Ceilings								
Under Construction	100%							

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Over 600 Volts								
Service Equipment								
Under Construction	100%							
Transformers								
Under Construction	100%							
Switchgear / Switchboard								
Under Construction	100%							
Feeders								
Under Construction	100%							
Raceway								
Under Construction	100%							
Under 600 Volts								
Service Equipment								
Under Construction	100%							
Transformers								
Under Construction	100%							
Switchgear / Switchboard								
Under Construction	100%							
Raceway								
Under Construction	100%							
Panelboards								
Under Construction	100%							
Wiring								
Under Construction	100%							
Motor Controllers								
Under Construction	100%							

## Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 5**  
**Asset # : 13004**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices								
Under Construction	100%							
<b>Stand-by Power</b>								
Transfer Switches								
Under Construction	100%							
Generators								
Under Construction	100%							
Batteries								
Under Construction	100%							
Fuel Storage								
Under Construction	100%							
<b>Lighting</b>								
Interior Lighting								
Under Construction	100%							
Egress Lighting								
Under Construction	100%							
Exterior Lighting								
Under Construction	100%							
<b>Lightning Protection</b>								
Arresters/Cabling								
Under Construction	100%							
<b>Alarm</b>								
Security System								
Under Construction	100%							
Fire/Smoke Detection								
Under Construction	100%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Under Construction	100%							
Conversion Equipment								
Under Construction	100%							
Distribution								
Under Construction	100%							
Terminal Devices								
Under Construction	100%							
<b>Air Conditioning</b>								
Energy Source								
Under Construction	100%							
Conversion Equipment								
Under Construction	100%							
Distribution								
Under Construction	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 5**  
**Asset # : 13004**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>			
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Air Conditioning									
	Terminal Devices								
	Under Construction	100%							
Heat Rejection									
	Under Construction	100%							
Ventilation									
	Distribution								
	Under Construction	100%							
	Exhaust Fans								
	Under Construction	100%							
Plumbing									
	H/C Water Piping								
	Under Construction	100%							
	Water Heater								
	Under Construction	100%							
	HW Heat Exchanger								
	Under Construction	100%							
	Sanitary Piping								
	Under Construction	100%							
	Storm Drain Piping								
	Under Construction	100%							
	Sump Pump(s)								
	Under Construction	100%							
	Pool Filter/Treatment								
	Under Construction	100%							
	Sewage Ejector(s)								
	Under Construction	100%							
	Backflow Preventer								
	Under Construction	100%							
	Fixtures								
	Under Construction	100%							
Vertical Transport									
	Elevators								
	Under Construction	100%							
	Escalators								
	Under Construction	100%							
Fire Suppression									
	Standpipe								
	Under Construction	100%							
	Sprinkler								
	Under Construction	100%							
	Fire Pump								
	Under Construction	100%							
	Chemical System								
	Under Construction	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 2388 **Lot** : 45 **BIN** : 2001584

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$46,300	
Interior Architecture		\$21,900
Electrical	\$67,200	\$67,600
Mechanical	\$48,700	
<b>Total</b>	<b>\$162,300</b>	<b>\$89,400</b>
Importance Code A	\$46,300	
Importance Code B	\$115,900	\$89,400
<b>Total</b>	<b>\$162,300</b>	<b>\$89,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$37,600		\$4,400	
Interior Architecture	\$44,000		\$1,300	\$600
Electrical	\$14,000	\$1,400	\$25,400	\$800
Mechanical	\$29,400	\$1,300	\$39,500	\$1,700
<b>Total</b>	<b>\$125,100</b>	<b>\$2,700</b>	<b>\$70,600</b>	<b>\$3,200</b>
Importance Code A	\$38,200	\$600	\$5,100	\$600
Importance Code B	\$86,600	\$2,200	\$65,500	\$2,600
Importance Code C	\$300			
<b>Total</b>	<b>\$125,100</b>	<b>\$2,700</b>	<b>\$70,600</b>	<b>\$3,200</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**  
**ENGINE CO. 50/LADDER CO. 19**  
**Asset # : 13037**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	0-2	\$46,300	LIFE	**	5	\$15,100	
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Corner At Kitchen And At 1st Story Bump Out</i>								
Metal Sect. OHD	15%			2032	**	5	\$8,800	
Pre-Cast Concrete	5%	Now	\$3,200	LIFE	**	5	\$3,100	
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Above House Watch</i>								
Windows								
Aluminum	100%	Now	\$1,100	2035	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement And At House Watch</i>								
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$1,600	
Pre-Cast Concrete	10%	Now	\$600	LIFE	**	5	\$1,100	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Coping</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Coping Joints</i>								
Roof								
Modified Bitumen	75%	Now	\$21,800	2032	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Upper Roof</i>								
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Upper Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
Modified Bitumen	25%	Now	\$10,900	2032	**			
<i>Ridging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Lower Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Lower Roof</i>								

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**  
**ENGINE CO. 50/LADDER CO. 19**  
**Asset # : 13037**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	50%	Now	\$17,800	LIFE	**	5	\$18,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apron At Apparatus Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Apparatus Floor</i>								
Ceramic Tile	10%	Now	\$10,000	2040	**	5	\$800	
<i>Drains Inad/Misposn, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Shower/ Locker Room</i>								
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Floor Showers</i>								
<i>Explanation : Poor Quality Of Construction. Showers Moldy</i>								
Quarry Tile	10%			2032	**	5	\$2,500	
Vinyl Tile	15%	0-2	\$6,600	2027	\$21,900	3	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : First Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stairwell And First Floor</i>								
Vinyl Tile	15%			2035	**	3	\$1,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<b>Interior Walls</b>								
Ceramic Tile	5%			2030	**	5	\$300	
Ceramic Tile	5%			2040	**	5	\$300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Showers/ Bathrooms</i>								
Concrete Masonry Unit	60%			LIFE	**	5	\$1,500	
Plaster	10%			LIFE	**	5	\$200	
SGFT/Glazed Masonry	20%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	55%	4+	\$3,800	2040	**	5	\$4,600	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen Area</i>								
Exposed Concrete	15%			LIFE	**	5	\$400	
Gypsum Board	30%	4+	\$5,200	LIFE	**	5	\$6,300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Room</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

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**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Molded Case Bkrs	100%			2027	\$4,900	5	\$300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : No Nameplate Ratings Available</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	\$49,900	5	\$300	
Raceway								
Conduit	100%			2027	\$32,000	1		
Panelboards								
Fused Disc Sw	5%			2026	\$2,000	5		
Molded Case Bkrs	50%			2035	**	5	\$200	
Molded Case Bkrs	45%			2026	\$17,700	5	\$100	
Wiring								
Thermoplastic	100%			2027	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,700	5	\$100	
<b>Ground</b>								
Grounding Devices								
Generic	100%	0-2	\$9,700	LIFE	**	5	\$200	
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Corroded</i>						
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2025	\$4,900	1	\$3,500	
Generators								
Diesel	100%			2023	\$67,200	1	\$4,400	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Emergency Generator Rated At 17.5 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$400	
Fuel Storage								
Day Tank	50%			2026	\$400	5	\$1,100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 10 Gallon Rated Capacity</i>						
Main Tank	50%			2030	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 275 Gallon Rated Capacity</i>						
<b>Lighting</b>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 50/LADDER CO. 19**  
**Asset # : 13037**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Lighting**

Interior Lighting Fluorescent	95%			2032	**	10	\$9,900	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	5%	Now	\$1,600	2037	**			
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting Emergency, Service	100%			2022		1		
Exterior Lighting HID	20%			2022		10		
No Component	80%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

Energy Source Natural Gas	100%			2047	**	1		
Conversion Equipment Hot Water Boiler	100%			2040	**	1	\$5,600	
Distribution Hot Wtr Piping/Pump	100%			2035	**	4	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : There Is Only 1 Thermostat In The Building</i>								
Terminal Devices Convactor/Radiator	70%			2032	**	1	\$2,600	
Fan Coil Unit/Heat	30%			2022		1	\$1,100	

**Air Conditioning**

Energy Source Electricity	100%			2035	**	1		
Conversion Equipment Exterior Pkg Unit - Cooling	20%			2035	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Unit. R-410a</i>								
Split Unit	10%	0-2	\$23,100	2037	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units Are On Extend Working Life Time. R-22</i>								
Window/Wall Unit	30%			2022		1	\$6,800	
No Component	40%							

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 50/LADDER CO. 19**  
**Asset # : 13037**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Air Conditioning</b>								
Heat Rejection								
Dry Cooler	10%			2022	\$3,500	2	\$800	
No Component	90%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	70%			LIFE	**	2-5	\$4,400	
No Component	30%							
<b>Exhaust Fans</b>								
Roof	50%	Now	\$900	2032	**	2	\$100	
		<i>Not in Service, Extent : Severe, Area Affected : 25%</i>						
		<i>Location : Roof</i>						
No Component	50%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Lack Of Air Circulation In 2nd Floor And The Bath Room</i>						
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
<b>Water Heater</b>								
Gas Fired	100%			2025	\$6,600	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
<b>Sanitary Piping</b>								
Cast Iron	100%	Now	\$4,000	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : Basement And 1st Floor</i>						
<b>Storm Drain Piping</b>								
Cast Iron	100%			LIFE	**	1		
<b>Sump Pump(s)</b>								
Non-Submersible	100%			2027	\$1,700	4	\$200	
<b>Fixtures</b>								
Generic	100%							
<b>Fire Suppression</b>								
Sprinkler								
No Component	80%							
Generic	20%			2037	**	1-2	\$600	
<b>Chemical System</b>								
Wet	100%			2022	\$26,700	1-3	\$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.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 25-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Floors 1,2  
**Block** : 5813 **Lot** : 123 **BIN** : 2084327

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$56,000
<b>Total</b>		<b>\$56,000</b>
Importance Code A		\$56,000
<b>Total</b>		<b>\$56,000</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$47,700			\$5,900
Interior Architecture	\$77,400	\$700		\$500
Electrical	\$100		\$1,700	\$100
Mechanical	\$7,200	\$1,300	\$35,700	\$1,000
Site Enclosure	\$1,400			
<b>Total</b>	<b>\$133,800</b>	<b>\$2,100</b>	<b>\$37,400</b>	<b>\$7,600</b>
Importance Code A	\$48,400	\$700	\$800	\$6,700
Importance Code B	\$42,100	\$1,200	\$36,600	\$900
Importance Code C	\$43,300	\$200		
<b>Total</b>	<b>\$133,800</b>	<b>\$2,100</b>	<b>\$37,400</b>	<b>\$7,600</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**  
**ENGINE CO. 52 / LADDER CO. 52**  
**Asset # : 13038**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	60%	2-4	\$12,800	LIFE	**	5	\$20,800	
<i>Efflorescence, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	30%			LIFE	**	5	\$10,400	
Masonry: Limestone	5%			LIFE	**	5	\$1,300	
Wood Overhead Doors	5%			2025	\$56,000	5	\$8,700	
Windows								
Aluminum	100%	Now	\$12,200	2043	**	5	\$1,400	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Window Lintels At 2nd Floor Shower Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor At Shower Room</i>								
Parapets								
Masonry: Brick	5%			LIFE	**	5		
Masonry: Limestone	95%			LIFE	**	5		
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Left Side Facade At Cornice</i>								
Roof								
Copper/Terne	90%	4+	\$18,400	2055	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Over 1st Floor Front Bay Window</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Attic Space: Wood Rafters Supporting Roof Have Water Damage</i>								
Roll Roofing	10%			2023	\$5,000	5	\$2,000	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$13,100	
Ceramic Tile	9%			2036	**	5	\$1,100	
Quarry Tile	1%			2040	**	5	\$200	
Terrazzo	5%	4+	\$2,800	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cracks In Bathroom Floor</i>								
Vinyl Tile	25%	0-2	\$10,400	2032	**	3	\$1,100	
<i>Worn/Eroded, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor Throughout</i>								
Vinyl Tile 9" X 9"	10%	2-4	\$13,500	2037	**	3	\$500	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 52 / LADDER CO. 52**

**Asset # : 13038**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	10%	Now	\$6,400	LIFE		**		
<i>Water Penetration, Extent : Severe, Area Affected : 3%</i>								
<i>Location : Side Wall And Exercise Area At Cellar</i>								
Ceramic Tile	2%			2036		**	\$400	
Gypsum Board	2%			LIFE		**	\$200	
Masonry: Brick	10%	0-2	\$23,700	LIFE		**		
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Cellar</i>								
<i>Spalling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Cellar</i>								
Plaster	5%	4+	\$800	LIFE		**	\$300	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor T. V. Room</i>								
Plywood/Hardboard	1%			LIFE		**		
SGFT/Glazed Masonry	70%	Now	\$11,000	LIFE		**		
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor At Stairwell</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor At Stairwell</i>								
Ceilings								
AcousTileSusp.Lay-In	30%	2-4	\$5,700	2040		**	\$1,700	
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Kitchen And Throughout</i>								
Exposed Struc: Steel	30%			LIFE		**		
Plaster	40%	Now	\$3,100	LIFE		**	\$2,900	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stairwell At 1st Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stairwell And Apparatus Room</i>								
Site Enclosure								
Fence/Gates								
Chain Link	5%	2-4	\$1,400	2057		**		
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Rear Yard</i>								
Wood	95%			2025	\$20,000			
Free Standing Walls								
Concrete Masonry Unit	100%			2047		**		
Site Pavements								
Parking/Driveway								
Asphalt	85%			2030		**		
Cast in Place Concrete	15%			2040		**		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 52 / LADDER CO. 52**

**Asset # : 13038**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Molded Case Bkrs	100%			2047	**	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 400 Amperes</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2047	**	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Main Molded Case Circuit Breaker In The Switchboard</i>						
Raceway								
Conduit	100%			2047	**	1		
Panelboards								
Molded Case Bkrs	100%			2043	**	5	\$200	
Wiring								
Thermoplastic	100%			2047	**	1		
Motor Controllers								
Locally Mounted	50%			2040	**	5		
Locally Mounted	50%			2025	\$7,300	5		
		<i>Aged Component, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor - Existing Controllers For Roll Up Gates</i>						
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<b>Lighting</b>								
Interior Lighting								
LED	100%			2032	**			
		<i>Recent Installation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Egress Lighting								
Emergency, Battery	80%			2032	**	10	\$1,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st And 2nd Floors</i>						
		<i>Explanation : Emergency Fixtures And Exit Signs With Batteries</i>						
Emergency, Battery	20%			2027	\$2,000	10	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Emergency Fixtures And Exit Signs With Batteries</i>						
Exterior Lighting								
HID	100%			2032	**	10		
<b>Alarm</b>								
Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%			2032	**	1-3	\$200	
		<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 52 / LADDER CO. 52**  
**Asset # : 13038**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$7,300	
Distribution								
Central Plant Steam Piping/Pmp	100%	Now	\$5,900	2037	**	4	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Heavy Water Hammer</i>								
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$2,400	
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2022		1	\$11,700	
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Includes Make-up Air</i>								
Exhaust Fans								
Interior	90%			2022		2	\$22,400	\$200
Roof	10%			2027		2	\$1,200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Gas Fired	100%	Now	\$100	2026	\$4,300	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - Instantaneous Units / 204 Gallons Per Hour Each - Recent Install</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Report Of Backup Every 3 Months</i>								
Sump Pump(s)								
Submersible	100%			2021	\$200	4	\$200	
Sewage Ejector(s)								
Electric	100%			2032	**	4	\$400	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 52 / LADDER CO. 52**  
**Asset # : 13038**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	Backflow Preventer							
	Generic	100%			2032	**	1	\$500
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Piped Up From Basement</i>						
Fixtures								
	Generic	100%						

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\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 53 (COMBINED FACILITY)  
**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** : 13-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 1629 **Lot** : 40 **BIN** : 1051850

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$72,700	\$53,600
Electrical		\$35,400
<b>Total</b>	<b>\$72,700</b>	<b>\$89,000</b>
Importance Code A	\$72,700	\$53,600
Importance Code B		\$35,400
<b>Total</b>	<b>\$72,700</b>	<b>\$89,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$13,200			\$10,600
Interior Architecture	\$15,200	\$600		
Electrical		\$100		
Mechanical	\$10,300	\$200	\$33,200	\$400
<b>Total</b>	<b>\$38,700</b>	<b>\$900</b>	<b>\$33,200</b>	<b>\$11,100</b>
Importance Code A	\$13,200			\$10,600
Importance Code B	\$25,500	\$400	\$33,200	\$400
Importance Code C		\$500		
<b>Total</b>	<b>\$38,700</b>	<b>\$900</b>	<b>\$33,200</b>	<b>\$11,100</b>



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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. 53 (COMBINED FACILITY)**

**Asset # : 13039**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	78%			LIFE	**	5	\$8,600	
Masonry: Granite	2%			LIFE	**	5	\$200	
Masonry: Sandstone	10%	Now	\$8,600	LIFE	**	5	\$800	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Street Facade</i>								
Wood Overhead Doors	10%			2040	**	5	\$5,500	
Windows								
Aluminum	100%	Now	\$72,700	2052	**	5	\$900	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Windows Are Very Old, Single-Glazed, And Largely Inoperable, Broken Or Missing.</i>								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$2,100	
Masonry: Brick	85%	0-2	\$1,800	LIFE	**	5	\$1,500	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : South East Corner</i>								
Roof								
Roll Roofing	100%			2028		5	\$21,200	
<i>Debris Present, Extent : Light, Area Affected : 10%</i>								
<i>Location : Lower And Main Roofs</i>								
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$15,700	
Ceramic Tile	5%	Now	\$800	2036	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Toilet</i>								
Quarry Tile	5%			2040	**	5	\$1,200	
Vinyl Tile	5%			2027		3	\$300	
Under Construction	40%							
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$1,100	
Concrete Masonry Unit	10%			LIFE	**	5	\$900	
Gypsum Board	5%			LIFE	**	5	\$600	
Plaster	15%			LIFE	**	5	\$1,000	
SGFT/Glazed Masonry	25%			LIFE	**			
Under Construction	40%							
Ceilings								
AcousTileConcealSpLn	10%			2040	**	5	\$2,000	
Exposed Concrete	50%	4+	\$12,800	LIFE	**	5	\$1,200	
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Apparatus Room</i>								
Under Construction	40%							

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 53 (COMBINED FACILITY)**

**Asset # : 13039**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Raceway								
Conduit	90%			2037	**	1		
Under Construction	10%							
Panelboards								
Molded Case Bkrs	90%			2026	\$35,400	5	\$300	
Under Construction	10%							
Wiring								
Thermoplastic	90%			2027	\$25,500	1		
Under Construction	10%							
Lighting								
Interior Lighting								
Fluorescent	90%			2027	\$26,500	10	\$8,800	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Under Construction	10%							
Exterior Lighting								
HID	10%			2027	\$4,100	10		
No Component	90%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : The Heating Source (Hot Water) Is From Adjacent Building (Police Station)</i>								
Conversion Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : The Heating Source (Hot Water) Is From Adjacent Building (Police Station)</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2035	**	4	\$500	
Terminal Devices								
Convactor/Radiator	40%			2032	**	1	\$1,400	
Unit Heater - Steam	40%			2022	\$14,600	4	\$400	
No Component	20%							
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	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. 53 (COMBINED FACILITY)**

**Asset # : 13039**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
	Window/Wall Unit	30%		2020	\$6,400	1		
	No Component	40%						
	Not Accessible	30%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Ac Comes From The Adjacent Building (Police Station)</i>								
Terminal Devices								
	No Component	70%						
	Not Accessible	30%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Ac Comes From The Adjacent Building (Police Station)</i>								
Heat Rejection								
	No Component	70%						
	Not Accessible	30%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Ac Comes From The Adjacent Building (Police Station)</i>								
Ventilation								
Distribution								
	Ductwork/Diffusers	100%		LIFE	**	2-5	\$5,900	
Exhaust Fans								
	Roof	50%		2022	\$8,400	2	\$200	
	Roof	10%		2037	**	2		
<i>Recent Replace Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roof</i>								
	No Component	40%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%		2037	**	1		
Water Heater								
	Electric	100%		2022	\$9,000	4	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 2 - 120 Gallon Units</i>								
Sanitary Piping								
	Cast Iron	100%	Now	\$3,700	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Operational Area</i>								
Storm Drain Piping								
	Cast Iron	100%		LIFE	**	1		
Backflow Preventer								
	Not Accessible	100%						
Fixtures								
	Under Construction	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. 53 (COMBINED FACILITY)**  
**Asset # : 13039**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>			
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Fire Suppression									
Sprinkler									
	No Component	90%							
	Generic	10%			2037	* *	1-2	\$300	

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 54/LADDER CO 4/ BATTALION 9  
**Address** : 782 EIGHTH AVENUE  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.054 / 13044 **Yr Built/Renovated** : 1974 /  
**Area Sq Ft** : 9,448 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 23-Jan-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 1019 **Lot** : 61 **BIN** : 1024767

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$74,400	\$131,800
Interior Architecture		\$46,300
Electrical		\$123,700
<b>Total</b>	<b>\$74,400</b>	<b>\$301,700</b>
Importance Code A	\$74,400	\$131,800
Importance Code B		\$169,900
<b>Total</b>	<b>\$74,400</b>	<b>\$301,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$18,100		\$2,400	
Interior Architecture	\$39,600		\$2,800	\$1,600
Electrical	\$9,200	\$700	\$2,500	\$800
Mechanical	\$5,100	\$1,600	\$9,300	\$1,100
Site Enclosure	\$4,600			
<b>Total</b>	<b>\$76,500</b>	<b>\$2,300</b>	<b>\$16,900</b>	<b>\$3,400</b>
Importance Code A	\$18,500	\$500	\$2,800	\$500
Importance Code B	\$48,800	\$1,800	\$14,100	\$2,700
Importance Code C	\$9,200			\$300
<b>Total</b>	<b>\$76,500</b>	<b>\$2,300</b>	<b>\$16,900</b>	<b>\$3,400</b>



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. 54/LADDER CO 4/ BATTALION 9**  
**Asset # : 13044**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2039	**	10	\$500	
Masonry: Brick	80%	Now	\$74,400	LIFE	**	5	\$12,100	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Facade</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 3%</i>								
<i>Location : Front And Side Facades</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Protective Netting In Place</i>								
Metal Sect. OHD	10%			2042	**	5	\$4,700	
Windows								
Aluminum	90%	Now	\$1,800	2037	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Glazing Clouded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Aluminum	10%			2045	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Battalion Office</i>								
<i>Explanation : Three Windows Are Vinyl Replacement Windows</i>								
Parapets								
Masonry: Brick	90%	Now	\$14,100	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Front Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Parapet</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Protective Netting In Place</i>								
Masonry: Brownstone	10%	Now	\$2,100	LIFE	**	5	\$300	
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Front Facade Coping Stones</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	100%			2029		10	\$9,500	
<i>Ponding, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Soffits								
Metal Panel	100%			2049	**	5-10		

## Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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		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%	0-2	\$3,700	LIFE	**	5	\$15,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Equipment Room Floor</i>								
Ceramic Tile	10%			2038	**	5	\$1,400	
Quarry Tile	5%			2034	**	5	\$1,100	
Vinyl Tile	35%	Now	\$12,800	2034	**	3	\$1,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2038	**	5	\$500	
Concrete Masonry Unit	47%			LIFE	**	5	\$3,900	
Gypsum Board	3%			LIFE	**	5-10	\$500	
Plaster	10%			LIFE	**	5-10	\$900	
SGFT/Glazed Masonry	35%			LIFE	**	10	\$1,800	
Ceilings								
AcousTileSusp.Lay-In	40%			2027	\$46,300	5	\$5,600	
Exposed Concrete	30%	0-2	\$13,800	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 3%</i>								
<i>Location : Southeast Corner Of Basement</i>								
Plaster	30%			LIFE	**	5-10	\$7,200	
Site Enclosure								
Fence/Gates								
Wood	100%	4+	\$3,200	2034	**			
<i>Dry Rot/Decay, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
Free Standing Walls								
Masonry: Brick	100%	Now	\$1,300	2049	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Side Yard</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Yard</i>								
Retaining Walls								
Concrete Masonry Unit	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
Parking/Driveway								
Cast in Place Concrete	100%			2042	**			
Activity Yard								
Cast in Place Concrete	100%			2042	**			

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 54/LADDER CO 4/ BATTALION 9**  
**Asset # : 13044**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
Service Equipment								
	Fused Disc Sw	100%			2029	\$4,900	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
<hr/>								
Switchgear / Switchboard								
	Molded Case Bkrs	100%			2029	\$49,900	5	\$200
<hr/>								
Raceway								
	Conduit	100%			2029	\$32,000	1	
<hr/>								
Panelboards								
	Fused Disc Sw	5%			2028	\$2,000	5	
	Molded Case Bkrs	95%			2028	\$37,400	5	\$200
<hr/>								
Wiring								
	Thermoplastic	100%			2029	\$28,300	1	
<hr/>								
Motor Controllers								
	Locally Mounted	100%			2027	\$14,700	5	\$100
<hr/>								
<b>Ground</b>								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$300
<hr/>								
<b>Stand-by Power</b>								
Transfer Switches								
	Automatic	100%			2034	**	1	\$2,900
<hr/>								
Generators								
	Diesel	100%			2032	**	1	\$3,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room - Yard</i>								
<i>Explanation : One 80 Kilo-volt-ampere</i>								
<hr/>								
Batteries								
	Lead/Acid	100%			2022	\$1,500	5	\$400
<hr/>								
Fuel Storage								
	Day Tank	30%			2037	**	5	\$500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room - Yard</i>								
<i>Explanation : One 60 Gallons</i>								
<hr/>								
	Main Tank	70%			2044	**	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : One 1000 Gallon</i>								
<hr/>								
<b>Lighting</b>								
Interior Lighting								
	Fluorescent	95%			2024	\$24,900	10	\$8,200
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<hr/>								
	Incandescent	5%			2024	\$3,100	2	
<hr/>								
Egress Lighting								
	Emergency, Service	70%			2024	\$3,300	1	
	No Component	30%						

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 54/LADDER CO 4/ BATTALION 9**  
**Asset # : 13044**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Exterior Lighting HID	100%			2024	\$36,400	10		
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source Natural Gas	100%			2049	**	1		
Conversion Equipment Hot Water Boiler	100%			2049	**	1	\$4,700	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Distribution Hot Wtr Piping/Pump	100%			2045	**	4	\$700	
Terminal Devices Convactor/Radiator	80%			2034	**	1	\$2,400	
Fan Coil Unit/Heat	20%			2029	\$27,100	1	\$600	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2045	**	1		
Conversion Equipment Exterior Pkg Unit - Cooling	25%			2034	**	2	\$100	
Exterior Pkg Unit - Cooling	25%			2034	**	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>								
Window/Wall Unit	35%			2022	\$6,600	1		
No Component	15%							
Distribution Ductwork/Diffusers	25%			LIFE	**	2	\$3,800	
No Component	75%							
<b>Ventilation</b>								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,300	
Exhaust Fans Roof	100%			2034	**	2	\$300	
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	100%			2039	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 54/LADDER CO 4/ BATTALION 9**  
**Asset # : 13044**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Water Heater Gas Fired	100%			2024	\$5,500	2	\$100
			<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%			2024	\$1,400	4	\$300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Duplex Unit</i>					
	Backflow Preventer No Component Generic	95%			2034	**	1	
		5%						
	Fixtures Generic	100%						
Fire Suppression	Sprinkler No Component Generic	95%			2049	**	1-2	\$100
		5%						
	Chemical System Generic	100%			2027	\$26,700	1-3	\$3,700

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 55  
**Address** : 363 BROOME STREET  
**Borough** : MANHATTAN      **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.055 / 13045      **Yr Built/Renovated** : 1898 / 1998  
**Area Sq Ft** : 7,363      **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 25-Jun-2018      **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3,4  
**Block** : 470      **Lot** : 12      **BIN** : 1066722

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$21,000	\$5,200		
Interior Architecture	\$43,400		\$6,200	
Electrical	\$1,300	\$900	\$1,200	\$2,600
Mechanical	\$4,600	\$1,200	\$2,100	\$1,300
<b>Total</b>	<b>\$70,100</b>	<b>\$7,300</b>	<b>\$9,500</b>	<b>\$3,900</b>
Importance Code A	\$21,700	\$5,900	\$700	\$700
Importance Code B	\$20,700	\$1,400	\$8,700	\$3,100
Importance Code C	\$27,700			
<b>Total</b>	<b>\$70,100</b>	<b>\$7,300</b>	<b>\$9,500</b>	<b>\$3,900</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**  
**ENGINE CO. 55**  
**Asset # : 13045**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	15%			LIFE	**	5	\$9,900	
Metal Sect. OHD	10%			2046	**	5	\$10,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Apparatus Door</i>								
Not Accessible	75%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Front And Side Elevations</i>								
<i>Explanation : Scaffold Covers The Front And Side Elevations</i>								
Windows								
Aluminum	50%			2054	**	5	\$800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Facade</i>								
Wood	50%			2054	**	5	\$8,400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
Parapets								
Masonry: Brick	90%			LIFE	**	5-10	\$15,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Sandstone	10%			LIFE	**	5-10	\$3,100	
Roof								
Copper/Terne	5%			2069	**	10	\$800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Modified Bitumen	90%			2039	**	10	\$6,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%			2059	**	10	\$1,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lower Roof</i>								
Interior								
Floors								
Cast in Place Concrete	35%	Now	\$8,900	LIFE	**	5	\$8,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2044	**	5	\$600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	60%			2057	**	5	\$12,400	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 55**  
**Asset # : 13045**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Concrete Masonry Unit	5%			LIFE	**	5	\$700	
Gypsum Board	45%			LIFE	**	5-10	\$13,900	
Masonry: Brick	15%	Now	\$11,900	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	10%			LIFE	**	5-10	\$1,600	
SGFT/Glazed Masonry	20%			LIFE	**	10	\$1,800	
Wood	5%			LIFE	**	5	\$7,300	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	45%			2049	**	5	\$5,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	25%			LIFE	**	5	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Bay</i>								
<i>Explanation : Glazed Masonry Vaulted Ceiling</i>								
Embossed Metal	10%			LIFE	**	5	\$1,000	
Exposed Struc: Steel	15%			LIFE	**	10	\$3,300	
Gypsum Board	5%			LIFE	**	5-10	\$1,900	
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2042	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2049	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : The Service Equipment Consists Of A 200 Ampere Switch With 200 Ampere Fuse Switch Which Is In Good Condition.</i>								
<b>Raceway</b>								
Conduit	100%			2049	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2045	**	5	\$200	
<b>Wiring</b>								
Thermoplastic	100%			2049	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2042	**	5	\$100	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 55**  
**Asset # : 13045**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power Transfer Switches Automatic	100%			2042	**	1	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : The Transfer Switch Is A 200 Ampere, 4 Pole Switch And It Is In Good Condition.</i>								
Generators Diesel	100%			2038	**	1	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Interior</i>								
<i>Explanation : The Size Of The Generator Is 60 Kilowatt / 75 Kilovolt-amperes, 208/120 Volts, 3 Phase. It Is In Good Condition.</i>								
Batteries Lead/Acid	100%			2023	\$1,700	5	\$300	
Fuel Storage Day Tank	15%			2045	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : The Day Tank Is A 75 Gallon Stand- Alone Tank.</i>								
Main Tank	85%			2057	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : The Main Tank Is A 550 Gallon Diesel Main Fuel Tank.</i>								
Lighting Interior Lighting Fluorescent	100%			2034	**	10	\$6,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting Emergency, Battery	100%			2034	**	10	\$1,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Path Of Egress - Stairs And Hallways</i>								
<i>Explanation : The Emergency Lights Are Battery Operated Emergency Lights.</i>								
Exterior Lighting HID	100%			2034	**	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Explanation : The Exterior Lights Are Wall Mounted And Are Controlled Via Switch.</i>								
Alarm Fire/Smoke Detection Generic, Analog	100%			2034	**	1-3	\$4,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : The System Consists Of Hardwired, Interconnected, Combination Smoke/ Carbon Monoxide Detectors With Sounder Base.</i>								

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Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 55**  
**Asset # : 13045**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2046	**	1	\$7,300	
Distribution								
Central Plant Steam Piping/Pmp	100%			2049	**	4	\$500	
Terminal Devices								
Convactor/Radiator	100%			2042	**	1	\$2,400	
Air Conditioning								
Energy Source								
Electricity	100%			2051	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling Split Unit	20%			2034	**	2	\$100	
No Component	10%			2037	**			
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2	\$2,400	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement To Roof</i>								
<i>Explanation : Includes Make Up Air And Exhaust For Generator</i>								
Exhaust Fans								
Interior	25%			2029	\$6,800	2	\$100	
Roof	70%			2034	**	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Kitchen Exhaust</i>								
No Component	5%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	**	1		
Water Heater								
Gas Fired	100%			2027	\$4,700	2	\$100	
<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		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific 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**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Plumbing</b>								
Sump Pump(s) Submersible	100%			2023	\$300	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Units In 2 Locations</i>								
<hr/>								
Backflow Preventer No Component Generic	95%			2034	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
<hr/>								
<b>Fixtures</b>								
Generic	100%							
<hr/>								
<b>Fire Suppression</b>								
Chemical System Wet	2%	Now	\$600	2029	\$600	1-3	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor Kitchen</i>								
<i>Explanation : System Piping Disconnected At 1st Floor Kitchen</i>								
<hr/>								
No Component	98%							
<hr/>								

*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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 58/LADDER CO. 26  
**Address** : 1367 FIFTH AVENUE  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.058 / 13046 **Yr Built/Renovated** : 1960 /  
**Area Sq Ft** : 8,100 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 22-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3,ph  
**Block** : 1618 **Lot** : 1 **BIN** : 1080501

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Electrical		\$3,900
<b>Total</b>		<b>\$3,900</b>
Importance Code B		\$3,900
<b>Total</b>		<b>\$3,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$60,000		\$2,400	
Interior Architecture	\$26,100		\$1,600	
Electrical	\$200			
Mechanical	\$3,900	\$1,500	\$1,500	\$1,000
Site Enclosure	\$1,700			
<b>Total</b>	<b>\$92,000</b>	<b>\$1,500</b>	<b>\$5,600</b>	<b>\$1,000</b>
Importance Code A	\$60,400	\$400	\$2,800	\$400
Importance Code B	\$18,900	\$1,100	\$2,800	\$600
Importance Code C	\$12,700			
<b>Total</b>	<b>\$92,000</b>	<b>\$1,500</b>	<b>\$5,600</b>	<b>\$1,000</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**  
**ENGINE CO. 58/LADDER CO. 26**  
**Asset # : 13046**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
<b>Exterior</b>									
<b>Exterior Walls</b>									
Masonry: Brick	85%			LIFE	**	5	\$35,700		
Metal Panel	7%			2049	**	5-10	\$10,100		
Metal Sect. OHD	8%	Now	\$26,800	2042	**	5	\$2,600		
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Apparatus Door</i>									
<b>Windows</b>									
Aluminum	100%	Now	\$1,100	2045	**	5	\$300		
<i>Air Infiltration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : First Floor Watch Room, Stair Tower</i>									
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : First Floor Watch Room</i>									
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : First Floor Watch Room</i>									
<b>Parapets</b>									
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$6,000		
Masonry: Brick	80%			LIFE	**	5-10	\$11,600		
Metal Rail	10%			2042	**	5-10	\$3,800		
<b>Roof</b>									
Asphalt Shingle	5%			2032	**	10	\$100		
Modified Bitumen	95%			2034	**	10	\$12,500		
<b>Soffits</b>									
Stucco Cement	100%			2042	**	5			
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>									
<i>Location : Front Facade</i>									
<b>Interior</b>									
<b>Floors</b>									
Cast in Place Concrete	53%	4+	\$3,400	LIFE	**	5	\$14,100		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : 1st Floor Apparatus Area</i>									
Ceramic Tile	10%	0-2	\$500	2038	**	5	\$600		
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : 2nd Floor Shower</i>									
<i>Explanation : Shower Leaks Causing Mold</i>									
Quarry Tile	5%			2042	**	5	\$900		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>									
<i>Location : 1st Floor Watch Room</i>									
Sheet Vinyl/Rubber	30%			2034	**	5	\$5,500		
Wood	2%			2057	**	5	\$500		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	5%			LIFE	**	10	\$1,000	
Ceramic Tile	5%	Now	\$200	2038	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Toilets And Showers 2nd Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Toilets And Showers 2nd Floor</i>								
Concrete Masonry Unit	15%	Now	\$1,400	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Masonry: Brick	5%			LIFE	**	10	\$100	
Plaster	30%	Now	\$1,000	LIFE	**	5	\$700	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stair</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Explanation : Wall Base Delaminating</i>								
SGFT/Glazed Masonry	35%	Now	\$5,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout 1st Floor</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Apparatus Room</i>								
Wood	5%			LIFE	**	5	\$3,200	
Ceilings								
AcousTileSusp.Lay-In	15%			2042	**	5	\$1,800	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen, Dining Area</i>								
Exposed Concrete	30%			LIFE	**	5-10	\$4,500	
Plaster	55%			LIFE	**	5-10	\$11,500	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Showers</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	\$1,700	2049	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 58/LADDER CO. 26**  
**Asset # : 13046**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Site Pavements

## On-Site Walkways

Cast in Place Concrete	100%			2042	**			
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Rear Yard*

## Parking/Driveway

Cast in Place Concrete	100%			2042	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2049	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 400 Ampere Main Disconnect Switch*

## Raceway

Conduit	90%			2029	\$28,800	1		
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Conduit	10%			2049	**	1		
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## Panelboards

Fused Disc Sw	5%			2028	\$2,000	5		
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Molded Case Bkrs	85%			2045	**	5	\$200	
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Molded Case Bkrs	10%			2028	\$3,900	5		
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## Wiring

Braided Cloth	20%			2028	\$5,700	1		
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Thermoplastic	80%			2049	**	1		
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## Motor Controllers

Locally Mounted	100%			2027	\$14,700	5	\$100	
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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## Lighting

## Interior Lighting

Fluorescent	95%			2034	**	10	\$7,100	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Throughout The Building*

Incandescent	5%			2034	**	2		
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## Egress Lighting

Emergency, Service	50%			2024	\$2,000	1		
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Exit, Service	50%			2024	\$500	1		
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## Exterior Lighting

HID	100%			2024	\$31,200	10		
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 58/LADDER CO. 26**  
**Asset # : 13046**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2042	**	1	\$4,000	
Distribution								
Hot Wtr Piping/Pump	100%			2037	**	4	\$600	
Terminal Devices								
Convactor/Radiator	90%			2034	**	1	\$2,400	
Unit Heater - Hot Water	10%			2029	\$2,900			
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2024	\$12,900	1		
No Component	20%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,100	
Exhaust Fans								
Roof	90%			2029	\$11,600	2	\$200	
Wall Unit	10%			2024	\$300	2		
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	100%			2027	\$4,700	2	\$100	
			<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%			2020	\$300	4	\$300	
Backflow Preventer								
No Component	95%							
Generic	5%			2034	**	1		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					
Fixtures								
Generic	100%							
<b>Fire Suppression</b>								
Chemical System								
Generic	100%			2027	\$26,700	1-3	\$3,700	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 59/LADDER CO. 30  
**Address** : 111 WEST 133rd STREET  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.059 / 13047 **Yr Built/Renovated** : 1962 /  
**Area Sq Ft** : 8,480 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 25-Jan-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 1918 **Lot** : 24 **BIN** : 1058225

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$180,500	\$164,800
<b>Total</b>	<b>\$180,500</b>	<b>\$164,800</b>
Importance Code A	\$180,500	\$164,800
<b>Total</b>	<b>\$180,500</b>	<b>\$164,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$10,800			
Interior Architecture	\$33,900		\$500	\$1,000
Electrical	\$900	\$600	\$2,500	\$600
Mechanical	\$11,600	\$900	\$6,400	\$700
Site Enclosure	\$10,100			
Site Pavements	\$15,000			
<b>Total</b>	<b>\$82,300</b>	<b>\$1,500</b>	<b>\$9,400</b>	<b>\$2,200</b>
Importance Code A	\$11,200	\$400	\$400	\$400
Importance Code B	\$28,000	\$1,100	\$8,900	\$900
Importance Code C	\$43,100			\$900
<b>Total</b>	<b>\$82,300</b>	<b>\$1,500</b>	<b>\$9,400</b>	<b>\$2,200</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**  
**ENGINE CO. 59/LADDER CO. 30**  
**Asset # : 13047**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	5%	Now	\$2,100	LIFE	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Rear</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Rear</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Rear</i>								
Masonry: Brick	80%	Now	\$98,100	LIFE	**	5	\$15,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stair Tower</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%			2039	**	5-10	\$6,800	
Metal Sect. OHD	10%	2-4	\$3,200	2042	**	5	\$3,100	
<i>Deformed/Dented, Extent : Light, Area Affected : 5%</i>								
<i>Location : South Side</i>								
Windows								
Aluminum	100%	Now	\$2,100	2045	**	5	\$200	
<i>Air Infiltration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Areaway, Stair Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	25%			LIFE	**	5-10	\$2,200	
<i>Paint Peeling, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Metal Cornice	5%	Now	\$300	2057	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	70%	Now	\$1,200	2042	**	5	\$6,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade - 2 Panels Broken</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 59/LADDER CO. 30**  
**Asset # : 13047**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	100%	Now	\$82,400	2029	\$164,800			
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Main Roof</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Main Roof Near Bulkhead, Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	40%	0-2	\$2,700	LIFE	**	5	\$11,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout Basement</i>								
Ceramic Tile	10%	0-2	\$1,300	2038	**	5	\$600	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Upper Level Toilet</i>								
Quarry Tile	5%			2042	**	5	\$1,000	
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Sheet Vinyl/Rubber	35%			2034	**	5	\$6,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Rubber Tile</i>								
Vinyl Tile	5%	Now	\$1,700	2034	**	3	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : House Watch</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 15%</i>								
<i>Location : House Watch</i>								
Wood	5%	Now	\$400	2057	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : TV Room</i>								
Interior Walls								
Ceramic Tile	10%			2038	**	5	\$1,700	
Gypsum Board	5%			LIFE	**	5-10	\$1,500	
Plaster	50%	Now	\$14,300	LIFE	**	5	\$2,600	
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout 2nd Floor</i>								
SGFT/Glazed Masonry	35%			LIFE	**	10	\$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. 59/LADDER CO. 30**  
**Asset # : 13047**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	0-2	\$500	2034	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	25%			LIFE	**	5-10	\$4,000	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	65%	Now	\$5,500	LIFE	**	5	\$5,200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout 2nd Floor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	98%	Now	\$8,900	2049	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Impact Damage, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Iron Picket	2%			2049	**			
<i>Deteriorated Finish, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Free Standing Walls								
Masonry: Brick	100%	4+	\$1,200	2039	**			
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
On-Site Walkways								
Cast in Place Concrete	100%			2034	**			
Parking/Driveway								
Asphalt	100%	Now	\$14,700	2038	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Edge Of Property</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Potholes, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 59/LADDER CO. 30**  
**Asset # : 13047**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Site Pavements

## Activity Yard

Cast in Place Concrete	100%	2-4	\$300	2034	**			
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*Cracking/Crumbling, Extent : Light, Area Affected : 5%**Location : Rear Yard*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2039	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 400 Ampere Main Disconnect Switch*

## Raceway

Conduit	100%			2039	**	1		
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## Panelboards

Fused Disc Sw	5%			2037	**	5		
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Molded Case Bkrs	95%			2037	**	5	\$200	
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## Wiring

Thermoplastic	100%			2039	**	1		
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## Motor Controllers

Locally Mounted	100%			2034	**	5	\$100	
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$300	
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## Stand-by Power

## Transfer Switches

Automatic	100%			2034	**	1	\$2,600	
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## Generators

Diesel	100%			2032	**	1	\$3,300	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : One 60 Kilo-volt-ampere*

## Batteries

Lead/Acid	100%			2022	\$1,500	5	\$300	
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## Fuel Storage

Day Tank	30%			2037	**	5	\$500	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Generator Room Outside**Explanation : One 60 Gallon*

Main Tank	70%			2044	**	5	\$200	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 550 Gallon*

## Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 59/LADDER CO. 30**  
**Asset # : 13047**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Lighting**

Interior Lighting Fluorescent	45%			2029	\$10,600	10	\$3,500	
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*T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%*  
*Location : Basement And 1st Floor*

LED	55%			2039	**			
Egress Lighting								
Emergency, Service	20%			2029	\$900	1		
Emergency, Service	40%			2039	**	1		
Exit, LED	30%			2069	**	1		
Exit, Service	10%			2029	\$100	1		
Exterior Lighting								
HID	100%			2029	\$32,700	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

Energy Source Natural Gas	100%			2049	**	1		
Conversion Equipment								
Furnace	5%			2029	\$1,000	1	\$200	
Hot Water Boiler	95%			2042	**	1	\$4,000	
Distribution								
Ductwork/Diffusers	5%			LIFE	**	2-5	\$400	
Hot Wtr Piping/Pump	95%			2045	**	4	\$600	
Terminal Devices								
Convactor/Radiator	90%			2034	**	1	\$2,500	
Unit Heater - Steam	10%			2029	\$2,900	4	\$100	

*Other Observation, Extent : Light, Area Affected : 100%*

*Location : 1st Floor*

*Explanation : Serves Apparatus Floor*

**Air Conditioning**

Energy Source Electricity	100%			2045	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	75%			2034	**	2	\$400	
Window/Wall Unit	10%			2022	\$1,700	1		
No Component	15%							
Distribution								
Ductwork/Diffusers	75%	Now	\$6,900	LIFE	**	2	\$8,300	
No Component	25%							

*Other Observation, Extent : Moderate, Area Affected : 25%*

*Location : Dormitory*

*Explanation : Broken Diffusers*

*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. 59/LADDER CO. 30**  
**Asset # : 13047**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
<b>Terminal Devices</b>								
	Air Handler/Dir Expansion	75%			2034	**	1	
	No Component	25%						
<b>Heat Rejection</b>								
	Dry Cooler	75%			2034	**	2	\$4,400
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Roof</i>							
	<i>Explanation : 2 Split Units, Refrigerant R-22.</i>							
	No Component	25%						
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,500
<b>Exhaust Fans</b>								
	Interior	50%			2024	\$14,400	2	\$100
	Roof	50%			2034	**	2	\$100
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%			2039	**	1	
<b>Water Heater</b>								
	Gas Fired	100%			2027	\$4,900	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 75 Gallon Units</i>							
<b>Sanitary Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Storm Drain Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Sump Pump(s)</b>								
	Submersible	100%			2022	\$300	4	\$300
<b>Fixtures</b>								
	Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 26-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3,4  
**Block** : 93 **Lot** : 30 **BIN** : 1001287

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Mechanical		\$59,900
<b>Total</b>		<b>\$59,900</b>
Importance Code B		\$59,900
<b>Total</b>		<b>\$59,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$2,800		\$5,600	\$700
Interior Architecture	\$3,800	\$1,700	\$300	
Electrical	\$1,000	\$2,000	\$5,000	\$400
Mechanical	\$30,500	\$900	\$2,300	\$800
<b>Total</b>	<b>\$38,100</b>	<b>\$4,600</b>	<b>\$13,200</b>	<b>\$1,900</b>
Importance Code A	\$3,100	\$200	\$5,900	\$1,000
Importance Code B	\$35,000	\$3,000	\$7,300	\$900
Importance Code C		\$1,400		
<b>Total</b>	<b>\$38,100</b>	<b>\$4,600</b>	<b>\$13,200</b>	<b>\$1,900</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**  
**ENGINE CO. 6**  
**Asset # : 13005**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	73%			LIFE	**	5	\$18,400	
Masonry: Limestone	20%			LIFE	**	5	\$3,800	
Metal Sect. OHD	5%			2040	**	5	\$3,900	
Granite Panels	2%			LIFE	**	5	\$400	
<b>Windows</b>								
Aluminum	100%			2043	**	5	\$1,400	
<b>Parapets</b>								
Copper/Terne	5%			2047	**	5	\$400	
Masonry: Brick	80%			LIFE	**	5	\$1,200	
Masonry: Limestone	10%			LIFE	**	5	\$200	
Metal Rail	5%			2040	**	5-10	\$1,400	
<b>Roof</b>								
Modified Bitumen	100%			2032	**	10	\$5,500	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	25%			LIFE	**	5	\$4,100	
Ceramic Tile	10%			2036	**	5	\$700	
Panel/Paver: Cer/Brk	5%			2035	**	5	\$800	
Sheet Vinyl/Rubber	5%			2027	\$11,300	5	\$600	
Wood	55%	4+	\$2,800	2055	**	5	\$3,900	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								
<b>Interior Walls</b>								
Ceramic Tile	20%			2036	**	5	\$2,700	
Concrete Masonry Unit	20%			LIFE	**	5	\$1,100	
Gypsum Board	40%			LIFE	**	5	\$3,300	
SGFT/Glazed Masonry	20%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	15%			2040	**	5	\$1,100	
Exposed Concrete	25%			LIFE	**	5	\$300	
Exposed Struc: Steel	10%			LIFE	**			
Gypsum Board	45%			LIFE	**	5	\$4,200	
Metal Panel	5%			LIFE	**	5	\$500	
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2032	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 6**  
**Asset # : 13005**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Amperes Main Disconnect Switch</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2047	**	5		
Raceway								
Conduit	100%			2047	**	1		
Panelboards								
Fused Disc Sw	10%			2043	**	5		
Molded Case Bkrs	90%			2043	**	5	\$100	
Wiring								
Thermoplastic	100%			2047	**	1		
Motor Controllers								
Locally Mounted	100%			2040	**	5		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2040	**	1	\$1,500	
Generators								
Diesel	100%			2036	**	1	\$1,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room In Basement</i>								
<i>Explanation : Ratings Not Available</i>								
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2055	**	5	\$100	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	100%			2032	**	10	\$4,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting								
Emergency, Service	50%			2027	\$1,300	1		
Exit, Service	50%			2027	\$300	1		
Exterior Lighting								
HID	100%			2027	\$19,300	10		
<b>Alarm</b>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 6**  
**Asset # : 13005**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Alarm**

## Fire/Smoke Detection

No Component

95%

Generic, Digital

5% Now

\$500 2037

\* \* 1-3

\$100

*Devices Missing, Extent : Moderate, Area Affected : 100%**Location : 2nd - 4th Floors**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : 2nd - 4th Floors*

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

## Energy Source

Natural Gas

100%

2047

\* \* 1

*Recent Replace Evident, Extent : Light, Area Affected : 100%**Location : Basement*

## Conversion Equipment

Hot Water Boiler

100%

2040

\* \* 1

\$2,500

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 2 Units*

## Distribution

Hot Wtr Piping/Pump

100%

2043

\* \* 4

\$200

## Terminal Devices

Convactor/Radiator

80%

2040

\* \* 1

\$1,300

Unit Heater - Steam

20%

2032

\* \* 4

\$100

**Air Conditioning**

## Energy Source

Electricity

100%

2049

\* \* 1

## Conversion Equipment

Ext Pkg Unit -

Heating/Cooling

100% Now

\$29,900 2027

\$59,900

2

\$200

*R-22 Refrigerant, Extent : Light, Area Affected : 100%**Location : Roof**Unit Inoperable, Extent : Moderate, Area Affected : 5%**Location : Roof**Other Observation, Extent : Moderate, Area Affected : 80%**Location : Roof**Explanation : Requires Frequent Repair*

## Distribution

Ductwork/Diffusers

100%

LIFE

\* \* 2

\$6,500

**Ventilation**

## Exhaust Fans

Interior

50%

2032

\* \* 2

\$100

Roof

50%

2032

\* \* 2

\$100

**Plumbing**

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 6**  
**Asset # : 13005**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	100%			2047	**	1		
Water Heater Gas Fired	100%			2025	\$2,900	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units 74 Gallon</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2021	\$200	4	\$200	
Backflow Preventer Generic	100%			2032	**	1	\$300	
<b>Fixtures</b>								
Generic	100%							
<b>Fire Suppression</b>								
Sprinkler Generic	100%			2047	**	1-2	\$1,400	
Chemical System Wet	10%			2025	\$2,700	1-3	\$400	
No Component	90%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 02-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 2306 **Lot** : 52 **BIN** : 2000656

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$283,400	\$139,900
Interior Architecture	\$220,800	
<b>Total</b>	<b>\$504,200</b>	<b>\$139,900</b>
Importance Code A	\$283,400	\$139,900
Importance Code B	\$133,800	
Importance Code C	\$87,000	
<b>Total</b>	<b>\$504,200</b>	<b>\$139,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$96,900		\$5,500	
Interior Architecture	\$39,000			
Electrical	\$900	\$800	\$3,100	\$1,000
Mechanical	\$2,300	\$2,400	\$42,300	\$2,200
<b>Total</b>	<b>\$139,000</b>	<b>\$3,200</b>	<b>\$50,900</b>	<b>\$3,200</b>
Importance Code A	\$98,000	\$1,100	\$6,600	\$1,100
Importance Code B	\$38,600	\$2,100	\$44,400	\$2,100
Importance Code C	\$2,400			
<b>Total</b>	<b>\$139,000</b>	<b>\$3,200</b>	<b>\$50,900</b>	<b>\$3,200</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**  
**ENGINE CO. 60/LADDER CO. 17**  
**Asset # : 13048**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2037	**	10	\$600	
Cast Stone/Terra Cotta	5%	4+	\$15,800	LIFE	**	5	\$14,900	
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>								
<i>Location : Street Facade</i>								
Masonry: Brick	72%	2-4	\$168,900	LIFE	**	5	\$27,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear And Side Walls</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear And Side Walls</i>								
Masonry: Granite	5%	0-2	\$4,700	LIFE	**	5	\$1,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Street Facade</i>								
Masonry: Limestone	5%	4+	\$4,700	LIFE	**	5	\$1,400	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
Metal Sect. OHD	5%			2032	**	5	\$6,000	
Metal: Cage/Fence	3%			2032	**	5	\$5,000	
Windows								
Aluminum	80%			2035	**	5	\$2,300	
Aluminum	20%	Now	\$24,300	2052	**	5	\$300	
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor, Street Facade</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd Floor, Street Facade</i>								
Parapets								
Cast Stone/Terra Cotta	5%	2-4	\$4,500	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 70%</i>								
<i>Location : Cornice - Street Facade</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Joint Lines - Street Side Parapet</i>								
Masonry: Brick	80%	Now	\$53,600	LIFE	**	5	\$2,300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Interior Parapet Face Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Parapet At Kitchen</i>								
Masonry: Limestone	15%	Now	\$13,700	LIFE	**	5	\$500	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Street Facade</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Street Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor Bathroom</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. 60/LADDER CO. 17**  
**Asset # : 13048**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Roof								
Built-Up (BUR)	75%			2027	\$139,900	10	\$10,100	
Built-Up (BUR)	15%	Now	\$28,000	2037	**			
<i>Ponding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Over Kitchen</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Kitchen</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Kitchen Roof Throughout</i>								
Skylight, Metal/Glass	10%	Now	\$60,900	2047	**			
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	10%	Now	\$18,800	LIFE	**	5	\$3,900	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement Slab At Floor Drains</i>								
Cast in Place Concrete	35%			LIFE	**	5	\$13,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2030	**	5	\$900	
Quarry Tile	5%			2040	**	5	\$1,300	
Sheet Vinyl/Rubber	25%	Now	\$133,800	2037	**	5	\$3,300	
<i>Uneven Substrate, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Floor Rooms And Corridors</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd Floor Corridors</i>								
Wood	20%			2030	**	5	\$6,600	
Interior Walls								
Ceramic Tile	20%			2030	**	5	\$4,900	
Glass: Single Pane	8%			LIFE	**	5	\$1,500	
Gypsum Board	5%			LIFE	**	5	\$700	
Masonry: Brick	30%	0-2	\$87,000	LIFE	**			
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement Vault, Rear And Side Walls</i>								
Plaster	37%			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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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 60/LADDER CO. 17**  
**Asset # : 13048**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Interior								
Ceilings								
Acous Tile Susp. Lay-In	15%			2040	**	5	\$2,700	
Embossed Metal	25%	Now	\$7,900	LIFE	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Concrete	10%			LIFE	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Portion Of Basement</i>								
<i>Explanation : Slab Not Replace -</i>								
Exposed Struc: Steel	15%			LIFE	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Support Beams Below Apparatus Floor</i>								
Plaster	35%	Now	\$4,100	LIFE	**	5	\$3,900	
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Second Floor Office</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2053	**	5		
<i>Other Observation, Extent : Moderate, 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%			2053	**	5	\$300	
Raceway								
Conduit	50%			2037	**	1		
Conduit	50%			2053	**	1		
Panelboards								
Molded Case Bkrs	50%			2035	**	5	\$100	
Molded Case Bkrs	50%			2049	**	5	\$100	
<i>Obsolete Equipment, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Wiring								
Thermoplastic	50%			2037	**	1		
Thermoplastic	50%			2053	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$3,500	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 60/LADDER CO. 17**  
**Asset # : 13048**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
<b>Generators</b>								
Diesel	100%			2036	**	1	\$4,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated At 40kw</i>								
<b>Batteries</b>								
Lead/Acid	100%			2022	\$1,500	5	\$400	
<b>Fuel Storage</b>								
Main Tank	100%			2062	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 50 Gallons Rated Capacity</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	98%			2035	**	10	\$10,100	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	1%			2022	\$300	10	\$100	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Incandescent	1%			2027	\$700	2		
<b>Egress Lighting</b>								
Emergency, Service	50%			2035	**	1		
Exit, Service	50%			2035	**	1		
<b>Exterior Lighting</b>								
HID	20%			2035	**	10		
No Component	80%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	100%			2037	**	1		
<b>Conversion Equipment</b>								
Steam Boiler	100%			2032	**	1	\$11,100	
<b>Distribution</b>								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$800	
<b>Terminal Devices</b>								
Convactor/Radiator	80%			2032	**	1	\$2,900	
Unit Heater - Steam	20%			2027	\$7,700	4	\$200	
<b>Air Conditioning</b>								
<b>Energy Source</b>								
Electricity	100%			2035	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 60/LADDER CO. 17**  
**Asset # : 13048**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Split Unit	20%			2037	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units. Split Unit Serves Bunk Area And Kichen. R-410a</i>								
Window/Wall Unit	30%			2022	\$6,700	1		
No Component	50%							
Terminal Devices								
Fan Coil - 2 Pipe	20%			2037	**	1	\$700	
No Component	80%							
Heat Rejection								
Dry Cooler	20%			2037	**	2	\$1,600	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,900	
No Component	70%							
Exhaust Fans								
Interior	30%			2027	\$11,500	2	\$100	
Roof	10%			2027	\$1,800	2		
Wall Unit	60%			2027	\$2,300	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%			2022	\$6,600	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1- 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement And 1st Floor Rest Room</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$400	4	\$400	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2022	\$26,700	1-3	\$3,700	

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 62/LADDER 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** : 20-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 4628 **Lot** : 53 **BIN** : 2056968

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$151,900	\$234,600
<b>Total</b>	<b>\$151,900</b>	<b>\$234,600</b>
Importance Code A	\$151,900	\$234,600
<b>Total</b>	<b>\$151,900</b>	<b>\$234,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$82,600		\$600	
Interior Architecture	\$44,300		\$2,100	\$300
Electrical	\$32,400	\$400	\$400	\$500
Mechanical	\$44,700	\$1,200	\$7,800	\$1,000
<b>Total</b>	<b>\$204,000</b>	<b>\$1,600</b>	<b>\$11,000</b>	<b>\$1,900</b>
Importance Code A	\$94,200	\$500	\$1,200	\$500
Importance Code B	\$100,500	\$1,100	\$9,800	\$1,400
Importance Code C	\$9,400			
<b>Total</b>	<b>\$204,000</b>	<b>\$1,600</b>	<b>\$11,000</b>	<b>\$1,900</b>



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 32**  
**Asset # : 13050**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Alum/Vinyl Siding	10%	Now	\$8,600	2037	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Siding Missing On North Wall</i>								
Masonry: Brick	70%	Now	\$110,000	LIFE	**	5	\$17,900	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 65%</i>								
<i>Location : Side Facades</i>								
Masonry: Granite	3%			LIFE	**	5	\$600	
Masonry: Limestone	7%	Now	\$10,000	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Window Sills At Main Entrance Facade</i>								
Metal Sect. OHD	10%			2040	**	5	\$8,000	
<b>Windows</b>								
Aluminum	100%	Now	\$8,800	2035	**	5	\$500	
<i>Air Infiltration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<b>Parapets</b>								
Copper/Terne	20%			2047	**	5	\$1,300	
Masonry: Brick	55%	Now	\$41,900	LIFE	**	5	\$700	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Inside Parapet At Roof</i>								
Masonry: Limestone	10%			LIFE	**	5	\$200	
Metal Cornice	15%	Now	\$5,800	2055	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Cornice And Balustrade Throughout</i>								
<b>Roof</b>								
Roll Roofing	20%			2020	\$10,500	5	\$4,100	
Single Ply Membrane	70%	2-4	\$14,100	2027	\$140,800			
<i>Blisters, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	5%			2027	\$93,800	10	\$2,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Roof</i>								
Skylight, Metal/Glass	5%	Now	\$18,800	2057	**			1
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Worn And Deteriorated</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. 62/LADDER 32**  
**Asset # : 13050**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	50%	Now	\$19,000	LIFE	**	5	\$13,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : 1st Floor And Basement</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : 1st Floor And Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Room Floor</i>								
<i>Explanation : Temporary Posts In Cellar To Support Floor</i>								
Ceramic Tile	10%			2030	**	5	\$1,200	
Quarry Tile	5%			2032	**	5	\$900	
Vinyl Tile	20%	2-4	\$4,100	2027	\$20,700	3	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Wood	15%			2042	**	5	\$3,400	
<b>Interior Walls</b>								
Ceramic Tile	15%			2030	**	5	\$2,500	
Gypsum Board	25%			LIFE	**	5	\$2,500	
Masonry: Brick	25%	Now	\$8,100	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	20%			LIFE	**	5	\$1,000	
Plywood/Hardboard	15%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	15%	Now	\$700	2040	**	5	\$900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Various Locations</i>								
Embossed Metal	50%	Now	\$2,700	LIFE	**	5	\$2,700	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 3%</i>								
<i>Location : West Of Apparatus Room</i>								
Exposed Concrete	20%	Now	\$7,800	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Plaster	10%			LIFE	**	5	\$700	
Plywood/Hardboard	5%			2047	**	1		
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2040	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

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. 62/LADDER 32**  
**Asset # : 13050**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>	
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>									
	Service Equipment								
	Fused Disc Sw	100%	0-2	\$4,900	2057	**	5		
		<i>Enclosure Corroded, Extent : Moderate, Area Affected : 100%</i>							
		<i>Location : Meter Enclosure Is Rusted In Basement, Main Electrical Area</i>							
		<i>Suspect Water Damage, Extent : Moderate, Area Affected : 100%</i>							
		<i>Location : Basement, Main Electrical Area</i>							
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : Basement, Main Electrical Area</i>							
		<i>Explanation : 200 Amp</i>							
<hr/>									
	Raceway								
	Conduit	30%	Now	\$9,600	2057	**	1		
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
		<i>Explanation : Service End Box And Service Feeder Conduits Are Rusted And Broken</i>							
	Conduit	70%			2037	**	1		
		<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>							
		<i>Location : Basement, Main Electrical Area</i>							
		<i>Explanation : Pull Box Enclosure Is Rusted</i>							
<hr/>									
	Panelboards								
	Molded Case Bkrs	80%			2035	**	5	\$100	
	Molded Case Bkrs	10%	0-2	\$2,000	2035	**	5		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
		<i>Explanation : Panel Enclosure Is Rusted</i>							
	Molded Case Bkrs	10%	Now	\$2,000	2035	**	5		
		<i>Covers Missing, Extent : Severe, Area Affected : 100%</i>							
		<i>Location : 1st Floor</i>							
<hr/>									
	Wiring								
	Braided Cloth	30%	0-2	\$8,500	2052	**	1		
		<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>							
		<i>Location : Throughout The Building</i>							
	Thermoplastic	70%			2037	**	1		
<hr/>									
	Motor Controllers								
	Locally Mounted	100%			2025	\$14,700	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : 1st Floor - Roll Up Gates</i>							
		<i>Explanation : Showing Wear Due To Regular Usage</i>							
<hr/>									
	Ground								
	Grounding Devices								
	Generic	100%	4+	\$3,900	LIFE	**	5	\$100	
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
		<i>Explanation : Corroded</i>							
<hr/>									
	Lighting								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 62/LADDER 32**  
**Asset # : 13050**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Lighting

## Interior Lighting

## Fluorescent

40%

2027

\$7,600

10

\$2,500

*T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Basement*

## Incandescent

10%

2027

\$4,500

2

*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st And 2nd Floor**Explanation : 2nd Floor Bunk Room*

## LED

50%

2032

\* \*

*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st And 2nd Floor**Explanation : LED Light Fixtures Installed*

## Exterior Lighting

## HID

100%

2027

\$26,500

10

## Alarm

## Fire/Smoke Detection

## Generic, Analog

100%

Now

\$1,500

2037

\* \*

1-3

\$3,800

*Devices Missing, Extent : Moderate, Area Affected : 100%**Location : 2nd Floor**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : 2nd Floor*

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Heating

## Energy Source

## Natural Gas

100%

2047

\* \*

1

## Conversion Equipment

## Furnace

40%

Now

\$6,200

2037

\* \*

1

\$1,200

*Other Observation, Extent : Severe, Area Affected : 100%**Location : 1st Floor**Explanation : Unit Past Useful Life, Not Serviceable*

## Radiant Heater

10%

2032

\* \*

2

\$300

*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor**Explanation : Serves Gymnasium*

## Steam Boiler

50%

2040

\* \*

1

\$3,400

## Distribution

## Central Plant Steam

100%

2053

\* \*

4

\$500

## Piping/Pmp

## Terminal Devices

## Convactor/Radiator

90%

2032

\* \*

1

\$2,000

## Unit Heater - Steam

10%

2027

\$2,400

4

\$100

## Air Conditioning

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 62/LADDER 32**  
**Asset # : 13050**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%	Now	\$16,000	2037	**	2	\$100	
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : Unit Past Useful Life, Not Serviceable</i>						
Split Unit	10%			2027	\$14,000			
Window/Wall Unit	40%			2022	\$5,500	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	30%	Now	\$21,200	LIFE	**	2	\$2,700	
		<i>Other Observation, Extent : Severe, Area Affected : 75%</i>						
		<i>Location : 2nd Floor</i>						
		<i>Explanation : Broken And Missing Elements</i>						
No Component	70%							
Heat Rejection								
Dry Cooler	10%			2032	**	2	\$500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Split Units Serve Gymnasium</i>						
No Component	90%							
Ventilation								
Exhaust Fans								
Roof	100%			2032	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%			2025	\$4,000	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$200	4	\$200	
Backflow Preventer								
Generic	5%			2032	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
Generic	95%			2032	**	1	\$400	

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**FIRE DEPARTMENT - 057  
ENGINE CO. 62/LADDER 32  
Asset # : 13050**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Plumbing								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	100%			2025	\$26,700	1-3	\$4,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Serves Cooking Area</i>						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 4997 **Lot** : 13 **BIN** : 2068155

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$44,400
Electrical		\$67,200
<b>Total</b>		<b>\$111,500</b>
Importance Code A		\$44,400
Importance Code B		\$67,200
<b>Total</b>		<b>\$111,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture			\$4,500	\$6,000
Interior Architecture		\$1,600	\$400	\$2,000
Electrical	\$2,200	\$600	\$700	\$500
Mechanical	\$1,400	\$1,400	\$4,500	\$1,100
<b>Total</b>	<b>\$3,600</b>	<b>\$3,700</b>	<b>\$10,100</b>	<b>\$9,700</b>
Importance Code A	\$400	\$400	\$5,000	\$6,400
Importance Code B	\$3,200	\$3,300	\$5,100	\$3,300
Importance Code C				
<b>Total</b>	<b>\$3,600</b>	<b>\$3,700</b>	<b>\$10,100</b>	<b>\$9,700</b>



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 63/ LADDER CO. 39**  
**Asset # : 13051**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	15%			LIFE	**	5	\$17,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Recent Construction</i>								
Cast Stone/Terra Cotta	25%			LIFE	**	5	\$44,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Recent Construction</i>								
Cement-Fiber Panel	20%			2034	**	10	\$14,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Recent Construction</i>								
Masonry: Brick	30%			LIFE	**	5	\$6,800	
Wood Overhead Doors	10%			2043	**	5	\$11,400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Windows								
Aluminum	100%			2048	**	5	\$700	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$4,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Masonry: Brick	70%			LIFE	**	5	\$1,800	
Metal Panel	10%			2052	**	5	\$1,000	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Roof								
Modified Bitumen	90%			2034	**	10	\$10,800	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	10%			2052	**	10	\$4,000	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								

Interior

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 63/ LADDER CO. 39**  
**Asset # : 13051**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	35%			LIFE	**	5	\$8,800	
Ceramic Tile	15%			2039	**	5	\$1,700	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	30%			2034	**	3	\$1,300	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	15%			2061	**	5	\$3,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Interior Walls</b>								
Cast in Place Concrete	15%			LIFE	**			
Concrete Masonry Unit	20%			LIFE	**	5	\$1,300	
Gypsum Board	50%			LIFE	**	5	\$4,700	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	15%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	35%			2043	**	5	\$4,000	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	15%			LIFE	**			
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Gypsum Board	30%			LIFE	**	5	\$4,300	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Plaster	20%			LIFE	**	5	\$1,400	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	100%			2052	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amperes Service</i>								
<b>Raceway</b>								
Conduit	100%			2046	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	80%			2042	**	5	\$200	
Molded Case Bkrs	20%			2034	**	5		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 63/ LADDER CO. 39**  
**Asset # : 13051**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2052	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	**	1	\$2,300	
Generators								
Diesel	100%			2029	\$67,200	1	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 64 Kw Generator</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$300	
Fuel Storage								
Main Tank	100%			2041	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	100%			2026	\$20,900	10	\$6,900	
Egress Lighting								
Emergency, Service	50%			2034	**	1		
Exit, LED	50%			2061	**	1		
Exterior Lighting								
HID	100%			2034	**	10		
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2046	**	1		
Conversion Equipment								
Furnace	50%			2031	**	1	\$1,900	
Hot Water Boiler	50%			2039	**	1	\$1,900	
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,100	
Hot Wtr Piping/Pump	50%			2042	**	4	\$200	
Terminal Devices								
Convactor/Radiator	95%			2039	**	1	\$2,300	
Fan Coil Unit/Heat	5%			2031	**	1	\$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**  
**ENGINE CO. 63/ LADDER CO. 39**  
**Asset # : 13051**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	98%			2031	**	2	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : R410a</i>								
Split Unit	2%			2031	**			
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$9,800	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,200	
Exhaust Fans								
Interior	10%			2031	**	2		
Roof	90%			2031	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Gas Fired	100%			2024	\$4,400	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$200	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Duplex Units</i>								
Backflow Preventer								
Generic	100%			2031	**	1	\$500	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	70%							
Generic	30%			2046	**	1-2	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Basement Only</i>								
Chemical System								
Generic	100%			2024	\$26,700	1-3	\$3,700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 64  
**Address** : 1214 CASTLE HILL AVENUE  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.064 / 13052 **Yr Built/Renovated** : 1912 /  
**Area Sq Ft** : 4,050 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 16-Jul-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 3821 **Lot** : 7 **BIN** : 2094871

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$41,800			
Interior Architecture	\$36,600		\$500	\$900
Electrical	\$100			
Mechanical	\$27,600	\$500	\$4,600	\$500
<b>Total</b>	<b>\$106,100</b>	<b>\$500</b>	<b>\$5,100</b>	<b>\$1,400</b>
Importance Code A	\$66,800	\$400	\$400	\$400
Importance Code B	\$22,900	\$100	\$4,700	\$500
Importance Code C	\$16,400			\$500
<b>Total</b>	<b>\$106,100</b>	<b>\$500</b>	<b>\$5,100</b>	<b>\$1,400</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**  
**ENGINE CO. 64**  
**Asset # : 13052**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$31,200	
Masonry: Granite	5%			LIFE	**	5	\$1,700	
Masonry: Limestone	10%			LIFE	**	5	\$3,300	
Wood	5%			2034	**	5	\$5,600	
Wood Overhead Doors	10%			2034	**	5	\$11,200	
Windows								
Aluminum	100%	Now	\$10,800	2045	**	5	\$400	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5-10	\$9,900	
Masonry: Limestone	10%			LIFE	**	5-10	\$2,200	
Metal Cornice	10%			2044	**	10	\$600	
Roof								
Modified Bitumen	75%	4+	\$1,200	2034	**			
<i>Debris Present, Extent : Light, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Drains Clogged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
Roll Roofing	25%			2025		5	\$2,400	
Interior								
Floors								
Cast in Place Concrete	30%	Now	\$9,700	LIFE	**	5	\$4,000	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Slab Is Old And Does Not Carry Current Loads - Is Shored Up From Basement</i>								
Ceramic Tile	5%	Now	\$600	2038	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bathrooms, Captain Office Bathroom</i>								
Quarry Tile	10%			2042	**	5	\$900	
Vinyl Tile	50%			2029		3	\$1,500	
Wood	5%			2044	**	5	\$600	
Interior Walls								
Ceramic Tile	10%			2038	**	5	\$1,100	
Concrete Masonry Unit	5%			LIFE	**	5	\$400	
Gypsum Board	25%			LIFE	**	5-10	\$4,500	
Masonry: Fieldstone	15%	Now	\$10,800	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Penetration</i>								
Plaster	15%			LIFE	**	5-10	\$1,300	
SGFT/Glazed Masonry	30%			LIFE	**	10	\$1,600	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 64**  
**Asset # : 13052**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	20%			2034	**	5	\$1,200	
Embossed Metal	70%	0-2	\$7,600	LIFE	**	5	\$1,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Loose/Miss Fasteners, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Concrete	10%	Now	\$2,000	LIFE	**	5	\$100	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2039	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2034	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2034	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2039	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2049	**	5	\$100	
<b>Raceway</b>								
Conduit	100%			2049	**	1		
<b>Panelboards</b>								
Fused Disc Sw	10%			2045	**	5		
Molded Case Bkrs	90%			2045	**	5	\$100	
<b>Wiring</b>								
Thermoplastic	100%			2049	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2042	**	5		
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$100	
<b>Lighting</b>								

*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. 64**  
**Asset # : 13052**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Lighting**

Interior Lighting Fluorescent	100%			2034	**	10	\$3,700	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%*  
*Location : Throughout*

Egress Lighting Emergency, Service	60%			2034	**	1		
Emergency, Battery	10%			2034	**	10	\$100	
Exit, Service	30%			2034	**	1		

Exterior Lighting HID	50%			2034	**	10		
No Component	50%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

Energy Source Fuel Oil No 2	100%			2049	**	5	\$1,300	
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*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Basement*  
*Explanation : Gas Under Construction*

Conversion Equipment Steam Boiler	100%	0-2	\$25,100	2049	**	1	\$3,600	
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*Leak Evident, Extent : Moderate, Area Affected : 20%*  
*Location : Boiler*  
*Obsolete Equipment, Extent : Moderate, Area Affected : 100%*  
*Location : Basement*  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Basement*  
*Explanation : One Unit*

Distribution Steam Piping/Pump	100%			2039	**			
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Terminal Devices Convactor/Radiator	100%			2034	**	1	\$1,300	
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**Air Conditioning**

Energy Source Electricity	100%			2045	**	1		
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Conversion Equipment Split Unit	10%			2024			\$8,300	
Window/Wall Unit	50%			2022			\$4,000	1
No Component	40%							

**Ventilation**

Exhaust Fans Interior	100%			2024			\$13,800	2
								\$100

**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**  
**ENGINE CO. 64**  
**Asset # : 13052**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	10%			2039	**	1	
	Galvanized Steel	90%			2034	**	1	
	Water Heater							
	Gas Fired	100%			2024	\$2,400	2	\$100
	Sanitary Piping							
	Cast Iron	100%	Now	\$1,400	LIFE	**	1	
			<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Bathroom Shower In 2nd Floor</i>					
	Storm Drain Piping							
	Cast Iron	100%	Now	\$800	LIFE	**	1	
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Basement</i>					
	Sump Pump(s)							
	Submersible	100%			2020	\$100	4	\$100
	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 26-Feb-2013 **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** : Basement, Roof, Floors 1,3,4  
**Block** : 1259 **Lot** : 18 **BIN** : 1076256

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$82,700	\$95,400
<b>Total</b>	<b>\$82,700</b>	<b>\$95,400</b>
Importance Code A	\$82,700	\$95,400
<b>Total</b>	<b>\$82,700</b>	<b>\$95,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$25,400			
Interior Architecture	\$19,800		\$500	\$1,200
Electrical	\$200	\$200	\$2,100	\$200
Mechanical	\$6,500	\$1,100	\$30,900	\$4,900
<b>Total</b>	<b>\$51,800</b>	<b>\$1,300</b>	<b>\$33,500</b>	<b>\$6,200</b>
Importance Code A	\$25,900	\$600	\$600	\$600
Importance Code B	\$25,900	\$700	\$32,900	\$4,700
Importance Code C				\$900
<b>Total</b>	<b>\$51,800</b>	<b>\$1,300</b>	<b>\$33,500</b>	<b>\$6,200</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**  
**ENGINE CO. 65**  
**Asset # : 13053**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	50%			LIFE	**	5	\$15,300	
Masonry: Limestone	40%	0-2	\$82,700	LIFE	**	5	\$9,200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Facade</i>								
Metal Coiling Doors	10%			2044	**	5	\$9,600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Windows								
Wood	100%			2049	**	5	\$14,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,200	
Masonry: Brick	90%	0-2	\$25,400	LIFE	**	5	\$1,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	100%			2024		10	\$6,300	
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	**	5	\$4,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Cast in Place Concrete	25%			LIFE	**	5	\$5,400	
Ceramic Tile	5%			2033	**	5	\$500	
Quarry Tile	10%	0-2	\$3,100	2037	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	40%			2034	**	3	\$1,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	10%			2033	**	5	\$1,800	
Masonry: Brick	25%			LIFE	**			
Plaster	40%			LIFE	**	5	\$2,200	
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. 65**  
**Asset # : 13053**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Interior

## Ceilings

AcousTileSusp.Lay-In	20%	0-2	\$1,800	2029	\$18,000	5	\$1,000	
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Throughout*

Embossed Metal	55%	4+	\$6,700	LIFE	**	5	\$2,500	
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*Paint Peeling, Extent : Severe, Area Affected : 50%**Location : Throughout*

Exposed Struc: Steel	15%			LIFE	**			
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Masonry: Infill Arch	10%	Now	\$8,100	LIFE	**			
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*Other Observation, Extent : Severe, Area Affected : 100%**Location : Cellar**Explanation : Structurally Insufficient*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2034	**	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Electrical Room**Explanation : One 200 Amperes Main Disconnect Switch*

## Switchgear / Switchboard

Molded Case Bkrs	100%			2034	**	5	\$200	
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## Raceway

Conduit	95%			2034	**	1		
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Conduit	5%			2050	**	1		
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## Panelboards

Fused Disc Sw	5%			2032	**	5		
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Molded Case Bkrs	65%			2032	**	5	\$100	
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Molded Case Bkrs	30%			2046	**	5		
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## Wiring

Thermoplastic	40%			2050	**	1		
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Thermoplastic	60%			2034	**	1		
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## Motor Controllers

Locally Mounted	50%			2029	\$8,000	5		
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Locally Mounted	50%			2041	**	5		
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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## Stand-by Power

## Transfer Switches

Automatic	100%			2029	\$5,400	1	\$1,800	
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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. 65**  
**Asset # : 13053**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	63%			2024	\$11,300	10	\$3,400	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	35%			2032	**	10	\$1,900	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement And 1st Floor</i>								
Incandescent	2%			2024	\$800	2		
<b>Exterior Lighting</b>								
HID	100%			2024	\$24,900	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2050	**	1		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Conversion Equipment Steam Boiler	100%			2037	**	1	\$5,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Gas Fired Steam Boiler</i>								
<b>Distribution</b>								
Central Plant Steam Piping/Pmp	70%			2034	**	4	\$200	
Central Plant Steam Piping/Pmp	30%			2050	**	4	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Hammering Issues Probably Due To Poorly Pitched Steam Piping</i>								
<b>Terminal Devices</b>								
Convactor/Radiator	100%			2029	\$33,000	1	\$1,900	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2046	**	1		
<b>Conversion Equipment</b>								
Split Unit	10%			2032	**			
Window/Wall Unit	30%			2020	\$3,900	1		
No Component	60%							
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	55%			LIFE	**	2-5	\$1,800	
No Component	45%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 65**  
**Asset # : 13053**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Exhaust Fans								
Interior	35%			2029	\$7,700	2	\$100	
Roof	25%	Now	\$100	2029	\$2,600	2		
		<i>Malfunctioning, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Roof, Mechanical And Or Electrical Deficiencies</i>						
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	10%			2050	**	1		
		<i>Recent Installation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Basement, Newly Installed Main</i>						
Brass/Copper	90%	Now	\$800	2044	**	1		
		<i>Booster Pump w/Tank, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement, 1 Of 2 Booster Pumps With Defective Pump Seals</i>						
Water Heater								
Gas Fired	100%			2023	\$3,800	2	\$100	
		<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Cellar</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$600	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Probable Clogged Or Cracked Roof Drain Piping At Northeast Corner Of Roof.</i>						
		<i>The Affected Area On The Roof Is Creating Water Damage On Floor Below</i>						
Backflow Preventer								
Generic	100%			2032	**	1	\$400	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2022	\$29,100	1-3	\$3,700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 66 / LADDER CO. 61  
**Address** : 21 ASCH LOOP W.  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.066 / 13054 **Yr Built/Renovated** : 1973 /  
**Area Sq Ft** : 8,320 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 08-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5141 **Lot** : 103 **BIN** : 2072355

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$92,400	\$145,500
Electrical		\$85,300
<b>Total</b>	<b>\$92,400</b>	<b>\$230,800</b>
Importance Code A	\$92,400	\$145,500
Importance Code B		\$85,300
<b>Total</b>	<b>\$92,400</b>	<b>\$230,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$40,900		\$3,000	
Interior Architecture	\$33,200		\$300	\$1,100
Electrical	\$1,100	\$600	\$700	\$2,200
Mechanical	\$60,200	\$1,000	\$4,900	\$800
Site Pavements	\$8,000			
<b>Total</b>	<b>\$143,300</b>	<b>\$1,600</b>	<b>\$8,900</b>	<b>\$4,100</b>
Importance Code A	\$41,300	\$400	\$3,400	\$400
Importance Code B	\$78,900	\$1,200	\$5,500	\$3,200
Importance Code C	\$23,200			\$500
<b>Total</b>	<b>\$143,300</b>	<b>\$1,600</b>	<b>\$8,900</b>	<b>\$4,100</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.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 66 / LADDER CO. 61**  
**Asset # : 13054**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	15%			2049	**	10	\$800	
Concrete Masonry Unit	5%	0-2	\$1,900	LIFE	**	5	\$600	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : West Side</i>								
Masonry: Brick	70%			LIFE	**	5	\$25,200	
Metal Sect. OHD	10%			2042	**	5	\$5,600	
Windows								
Aluminum	100%	Now	\$92,400	2054	**	5	\$1,100	
<i>Air Infiltration, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Weather Strip Missing, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Metal/Glass Curt Wall	100%	Now	\$11,600	2049	**	5	\$4,400	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Broken Missing Panels</i>								
Roof								
Asphalt Shingle	10%			2032	**	10	\$200	
Modified Bitumen	90%	0-2	\$14,600	2029	\$145,500			
<i>Alligatoring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Seams Throughout</i>								
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Soffits								
Alum/Vinyl Siding	15%	Now	\$200	2049	**			
<i>Deformed/Dented, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South And Rear Of Building</i>								
No Component	85%							

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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$3,300	LIFE	**	5	\$13,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2032	**	5	\$600	
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilets</i>								
Terrazzo	5%			LIFE	**	5	\$1,000	
Vinyl Tile	40%	Now	\$2,200	2034	**	3	\$1,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Corridor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Corridor</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Corridor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Corridor</i>								
Interior Walls								
Cast in Place Concrete	5%			LIFE	**	10	\$2,500	
Ceramic Tile	5%			2038	**	5	\$1,000	
Concrete Masonry Unit	15%	0-2	\$3,500	LIFE	**	5	\$1,200	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor, Stair, Basement</i>								
Plaster	35%			LIFE	**	5-10	\$6,000	
Plywood/Hardboard	2%			LIFE	**	10		
SGFT/Glazed Masonry	38%	4+	\$6,100	LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Vertical Crack From Floor To Ceiling Near House Watch</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2034	**	5	\$600	
Exposed Concrete	45%			LIFE	**	5-10	\$7,000	
Gypsum Board	5%			LIFE	**	5-10	\$2,100	
Plaster	45%	Now	\$3,800	LIFE	**	5	\$3,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Locker Room At Beam, Apparatus Room Beams And Ceiling</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor Officer Bathroom, Apparatus Room, Roof Hatch</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	\$800	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 66 / LADDER CO. 61**  
**Asset # : 13054**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	4+	\$1,200	2042		**		
<i>Sinking/Subsiding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Parking/Driveway								
Asphalt	80%	Now	\$3,300	2032		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Cast in Place Concrete	20%	Now	\$2,700	2042		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : East Side</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Side</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Side</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2029	\$4,900	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
Raceway								
Conduit	95%			2029	\$30,400	1		
Conduit	5%			2049	**	1		
Panelboards								
Molded Case Bkrs	90%			2028	\$35,400	5	\$200	
Molded Case Bkrs	10%			2045	**	5		
Wiring								
Thermoplastic	95%			2029	\$26,900	1		
Thermoplastic	5%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2027	\$17,200	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	**	1	\$2,600	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 66 / LADDER CO. 61**  
**Asset # : 13054**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
<b>Generators</b>								
Diesel	100%			2038	**	1	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 80 Kilowatt</i>								
<b>Batteries</b>								
Lead/Acid	100%			2023	\$1,500	5	\$300	
<b>Fuel Storage</b>								
Day Tank	30%			2045	**	5	\$500	
Main Tank	70%			2032	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 550 Gallon</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	95%			2034	**	10	\$7,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2029	\$2,700	2		
<b>Egress Lighting</b>								
Emergency, Service	70%			2034	**	1		
Exit, Service	30%			2034	**	1		
<b>Exterior Lighting</b>								
HID	100%			2034	**	10		
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	100%			2049	**	1		
<b>Conversion Equipment</b>								
Hot Water Boiler	100%			2042	**	1	\$4,100	
<b>Distribution</b>								
Hot Wtr Piping/Pump	100%			2037	**	4	\$600	
<b>Terminal Devices</b>								
Convactor/Radiator	90%			2034	**	1	\$2,400	
Unit Heater - Steam	10%			2029	\$2,800	4	\$100	
<b>Air Conditioning</b>								
<b>Energy Source</b>								
Electricity	100%			2045	**	1		

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\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 66 / LADDER CO. 61**  
**Asset # : 13054**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Exterior Pkg Unit - Cooling	35%	Now	\$22,500	2039	**	2	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Unit Disassembled With Severely Damaged Or Missing Components</i>								
Window/Wall Unit	50%			2024	\$8,300	1		
No Component	15%							
Distribution								
Ductwork/Diffusers	35%	Now	\$31,700	LIFE	**	2	\$3,800	
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Ductwork Severely Damaged And Missing Components</i>								
No Component	65%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,300	
Exhaust Fans								
Roof	100%			2029	\$13,200	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	50%			2022	\$2,400	2	\$100	
Gas Fired	50%	Now	\$2,400	2029	\$2,400	2		
<i>Leak Evident, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Tank In Basement</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	50%			2029	\$600	4	\$100	
Submersible	50%			2022	\$100	4	\$100	
Backflow Preventer								
No Component	95%							
Generic	5%			2034	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
Generic	100%							
Fire Suppression								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057  
ENGINE CO. 66 / LADDER CO. 61  
Asset # : 13054**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Sprinkler							
	No Component	85%						
	Generic	15%			2039	**	1-2	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Connected To Domestic Water / Serves Half Of Basement</i>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 67  
**Address** : 518 WEST 170th STREET @ AUDUBON AVE.  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.067 / 13055 **Yr Built/Renovated** : 1898 /  
**Area Sq Ft** : 5,904 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 22-Feb-2018 **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3,Att  
**Block** : 2126 **Lot** : 34 **BIN** : 1063024

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Interior Architecture	\$131,100	
Electrical		\$67,300
<b>Total</b>	<b>\$131,100</b>	<b>\$67,300</b>
Importance Code B	\$131,100	\$67,300
<b>Total</b>	<b>\$131,100</b>	<b>\$67,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$80,300		\$100	
Interior Architecture	\$34,400		\$300	\$100
Electrical	\$13,100	\$500	\$500	\$2,100
Mechanical	\$9,600	\$1,500	\$1,500	\$1,200
Site Enclosure	\$800			
<b>Total</b>	<b>\$138,200</b>	<b>\$2,000</b>	<b>\$2,300</b>	<b>\$3,500</b>
Importance Code A	\$80,900	\$600	\$600	\$600
Importance Code B	\$37,700	\$1,400	\$1,700	\$2,900
Importance Code C	\$19,600			
<b>Total</b>	<b>\$138,200</b>	<b>\$2,000</b>	<b>\$2,300</b>	<b>\$3,500</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**  
**ENGINE CO. 67**  
**Asset # : 13055**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Iron	5%			LIFE	**	10	\$16,900	
Masonry: Brick	85%			LIFE	**	5	\$52,600	
Masonry: Limestone	5%			LIFE	**	5	\$2,300	
Wood Overhead Doors	5%			2034	**	5	\$7,700	
Windows								
Aluminum	100%	Now	\$14,100	2045	**	5	\$800	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout 3rd Floor, Gymnasium, Kitchen</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bathroom Window</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5-10	\$2,600	
Masonry: Brick	75%			LIFE	**	5-10	\$9,300	
Metal Rail	20%			2034	**	5-10	\$6,500	
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Side Of Roof</i>								
Roof								
Asphalt Shingle	6%			2032	**	10	\$100	
Metal Panel	2%	Now	\$600	2034	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Around Skylight, Attic</i>								
Modified Bitumen	90%	Now	\$7,700	2034	**			
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Edge Of Roof</i>								
Skylight, Metal/Glass	2%	Now	\$3,700	2029			\$18,700	
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : 3rd Floor Training Room</i>								
Soffits								
Cast Iron	100%			LIFE	**	10		
Interior								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 67**  
**Asset # : 13055**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	30%	Now	\$2,600	LIFE	**	5	\$4,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%	2-4	\$400	2038	**	5	\$200	
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : Toilets Throughout</i>								
Quarry Tile	5%			2042	**	5	\$600	
Vinyl Tile	10%	4+	\$700	2029	\$7,100	3	\$300	
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : 3rd Floor</i>								
Wood	50%	Now	\$6,800	2057	**	5	\$3,500	
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor, Attic</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor, Attic</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$900	2032	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Toilets</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Gypsum Board	10%	0-2	\$300	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	5%	0-2	\$7,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Efflorescence, Extent : Light, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	35%	Now	\$1,800	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout 2nd And 3rd Floor, Kitchen,</i>								
SGFT/Glazed Masonry	30%			LIFE	**	10	\$1,700	
Wood	15%			LIFE	**	5	\$13,600	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 67**  
**Asset # : 13055**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	20%	0-2	\$700	2034	**	5	\$700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 3rd Floor</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Embossed Metal	30%	0-2	\$2,200	LIFE	**	5	\$1,000	
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Apparatus Room</i>								
Exposed Struc: Steel	15%	Now	\$131,100	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement At Oil Fill</i>								
Exposed Struc: Wood	5%			LIFE	**	10	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Attic</i>								
<i>Explanation : Attic Exposed Wood Structure</i>								
Plaster	30%	Now	\$1,600	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	\$800	2039	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 15%</i>								
<i>Location : Rear Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Of Building</i>								
<i>Explanation : Sidewalk Hatch Rusting And Defecting Under Minimal Weight.</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2034	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Rear Yard</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2042	**			

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 67**  
**Asset # : 13055**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
	Fused Disc Sw	100%			2029	\$5,400	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 200 Ampere Main Disconnect Switches</i>								
<b>Switchgear / Switchboard</b>								
	Molded Case Bkrs	100%			2029	\$54,400	5	\$200
<b>Raceway</b>								
	Conduit	100%			2029	\$34,900	1	
<b>Panelboards</b>								
	Fused Disc Sw	5%			2028	\$2,100	5	
	Molded Case Bkrs	30%			2028	\$12,900	5	
	Molded Case Bkrs	65%			2051	**	5	\$100
<b>Wiring</b>								
	Braided Cloth	40%	2-4	\$12,400	2054	**	1	
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement, 1st Floor, 2nd Floor</i>								
	Thermoplastic	60%			2055	**	1	
<b>Motor Controllers</b>								
	Locally Mounted	100%			2027	\$16,000	5	
<b>Ground</b>								
<b>Grounding Devices</b>								
	Generic	100%			LIFE	**	5	\$200
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
	Automatic	100%			2042	**	1	\$1,800
<b>Generators</b>								
	Diesel	100%			2038	**	1	\$2,300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 40 Kilowatt</i>								
<b>Batteries</b>								
	Lead/Acid	100%			2023	\$1,700	5	\$200
<b>Fuel Storage</b>								
	Day Tank	30%			2045	**	5	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallons</i>								
	Main Tank	70%			2057	**	5	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 550 Gallon</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
	LED	100%			2037	**		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 67**  
**Asset # : 13055**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Lighting

## Egress Lighting

Exit, Service

60%

2037

\* \*

1

No Component

40%

## Exterior Lighting

HID

100%

2024

\$24,800

10

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Heating

## Energy Source

Natural Gas

100%

2059

\* \*

1

## Conversion Equipment

Steam Boiler

100%

2049

\* \*

1

\$5,900

*Recent Installation, Extent : Light, Area Affected : 100%**Location : Basement*

## Distribution

Central Plant Steam

100%

2039

\* \*

4

\$300

Piping/Pmp

## Terminal Devices

Convactor/Radiator

100%

Now

\$1,600

2034

\* \*

1

\$1,700

*Leak Evident, Extent : Moderate, Area Affected : 100%**Location : Second Floor*

## Air Conditioning

## Conversion Equipment

Window/Wall Unit

100%

2024

\$12,800

1

## Ventilation

## Distribution

Ductwork/Diffusers

100%

LIFE

\* \*

2-5

\$5,200

## Exhaust Fans

Wall Unit

100%

2029

\$2,200

2

\$200

## Plumbing

## H/C Water Piping

Galvanized Steel

100%

2034

\* \*

1

## Water Heater

Gas Fired

100%

2029

\$3,800

2

\$100

*Recent Installation, Extent : Light, Area Affected : 100%**Location : Basement*

## Sanitary Piping

Cast Iron

100%

Now

\$4,500

LIFE

\* \*

1

*Leak Evident, Extent : Moderate, Area Affected : 10%**Location : Basement*

## Storm Drain Piping

Cast Iron

100%

Now

\$600

LIFE

\* \*

1

*Leak Evident, Extent : Moderate, Area Affected : 5%**Location : 1st Floor, Basement*

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 67**  
**Asset # : 13055**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	Sump Pump(s)							
	Non-Submersible	100%			2029	\$900	4	\$200
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2027	\$29,100	1-3	\$3,700

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 02-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 2514 **Lot** : 56 **BIN** : 2003268

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$267,400	
Interior Architecture		\$6,600
Electrical	\$67,200	\$77,400
<b>Total</b>	<b>\$334,600</b>	<b>\$84,100</b>
Importance Code A	\$267,400	
Importance Code B	\$67,200	\$84,100
<b>Total</b>	<b>\$334,600</b>	<b>\$84,100</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$24,800			
Interior Architecture	\$3,200			\$800
Electrical	\$2,600	\$800	\$2,900	\$700
Mechanical	\$1,300	\$1,500	\$76,500	\$1,800
<b>Total</b>	<b>\$31,900</b>	<b>\$2,400</b>	<b>\$79,400</b>	<b>\$3,300</b>
Importance Code A	\$25,200	\$500	\$500	\$500
Importance Code B	\$6,000	\$1,800	\$78,900	\$2,700
Importance Code C	\$700			
<b>Total</b>	<b>\$31,900</b>	<b>\$2,400</b>	<b>\$79,400</b>	<b>\$3,300</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 68/LADDER CO. 49**  
**Asset # : 13056**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	80%	4+	\$78,700	LIFE	**	5	\$11,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : At Overhead Doors And 2nd Floor Front</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	15%			LIFE	**	5	\$3,500	
Metal Sect. OHD	5%			2040	**	5	\$3,700	
Windows								
Aluminum	100%	2-4	\$10,000	2035	**	5	\$600	
<i>Air Infiltration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Screens Missing Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Wire Glass At 1st Floor House Watch Room</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$2,400	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Street Facade</i>								
<i>Open Joints, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Street Facade</i>								
Concrete Masonry Unit	85%	Now	\$8,500	LIFE	**	5	\$1,800	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof Parapet</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rear Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof Parapet</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : All Facades</i>								
Metal: Cage/Fence	5%	Now	\$1,900	2047	**	5	\$300	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Parapet Wall</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 68/LADDER CO. 49**  
**Asset # : 13056**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Roof</b>								
Asphalt Shingle	5%			2030	**	10	\$100	
Modified Bitumen	95%	Now	\$188,700	2037	**			
<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 : Moderate, Area Affected : 20%</i>								
<i>Location : At Roof Penetrations</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	40%			LIFE	**	5	\$13,400	
Ceramic Tile	15%			2040	**	5	\$2,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Bathrooms, Shower Areas</i>								
Quarry Tile	5%			2040	**	5	\$1,100	
Vinyl Tile	5%	4+	\$100	2027	\$6,600	3	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Sitting Area</i>								
Vinyl Tile	35%			2035	**	3	\$2,700	
<b>Interior Walls</b>								
Ceramic Tile	10%			2040	**	5	\$1,300	
Concrete Masonry Unit	30%			LIFE	**	5	\$1,600	
Gypsum Board	25%			LIFE	**	5	\$2,000	
SGFT/Glazed Masonry	35%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	20%			2044	**	5	\$3,100	
Exposed Concrete	75%			LIFE	**	5	\$1,800	
Gypsum Board	5%			LIFE	**	5	\$1,000	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	100%			2027	\$4,900	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Switch Rated At 400 Amperes.</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2027	\$49,900	5	\$300	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 68/LADDER CO. 49**  
**Asset # : 13056**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Under 600 Volts								
Raceway								
	Conduit	70%			2027	\$22,400	1	
	Conduit	30%			2053	**	1	
Panelboards								
	Molded Case Bkrs	70%			2026	\$27,500	5	\$200
	Molded Case Bkrs	30%			2049	**	5	\$100
Wiring								
	Thermoplastic	70%			2027	\$19,800	1	
	Thermoplastic	30%			2053	**	1	
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$200
Stand-by Power								
Transfer Switches								
	Automatic	100%			2025	\$4,900	1	\$3,100
Generators								
	Diesel	100%			2023	\$67,200	1	\$4,000
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : 2nd Floor Heating Room</i>							
	<i>Explanation : Emergency Generator Rated At 25kw</i>							
Batteries								
	Lead/Acid	100%			2020	\$1,500	5	\$400
Fuel Storage								
	Main Tank	100%			2030	**	5	\$300
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : 2nd Floor Mechanical Room</i>							
	<i>Explanation : 200 Gallons Rated Capacity</i>							
Lighting								
Interior Lighting								
	Fluorescent	65%			2035	**	10	\$6,100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
	<i>Explanation : T-8 Lamps And Motion Sensors In Use</i>							
	Fluorescent	5%			2022	\$1,400	10	\$500
	<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Bunker Room</i>							
	LED	30%			2035	**		
Egress Lighting								
	Emergency, Service	50%			2035	**	1	
	Exit, LED	50%			2062	**	1	
Exterior Lighting								
	HID	20%			2035	**	10	
	No Component	80%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 68/LADDER CO. 49**  
**Asset # : 13056**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
Energy Source								
	Electricity	20%			2037	**	1	
	Natural Gas	80%			2037	**	1	
Conversion Equipment								
	Heat Pump Air Sourced	20%			2031	**	2	\$600
	<i>Other Observation, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Roof</i>							
	<i>Explanation : 3 Package Units</i>							
	Hot Water Boiler	80%			2032	**	1	\$4,000
	<i>Other Observation, Extent : Light, Area Affected : 80%</i>							
	<i>Location : Boiler Room</i>							
	<i>Explanation : 1 Unit</i>							
Distribution								
	Hot Wtr Piping/Pump	80%			2035	**	4	\$400
	No Component	20%						
Terminal Devices								
	Convactor/Radiator	70%			2032	**	1	\$2,300
	Fan Coil Unit/Heat	20%			2035	**	1	\$700
	Unit Heater - Steam	10%			2027	\$3,500	4	\$100
<b>Air Conditioning</b>								
Energy Source								
	Electricity	100%			2035	**	1	
Conversion Equipment								
	Heat Pump Air Sourced	20%			2031	**	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Roof</i>							
	<i>Explanation : 3 Package Units. R-410a</i>							
	Split Unit	10%			2022	\$20,900		
	<i>R-22 Refrigerant, Extent : Light, Area Affected : 10%</i>							
	<i>Location : 1 Unit, Roof</i>							
	Window/Wall Unit	30%			2022	\$6,100	1	
	No Component	40%						
Terminal Devices								
	Fan Coil - 2 Pipe	10%			2022	\$11,200	1	\$300
	Fan Coil - 4 Pipe	20%			2035	**	1	\$700
	No Component	70%						
Heat Rejection								
	Dry Cooler	10%			2022	\$3,200	2	\$700
	Dry Cooler	20%			2035	**	2	\$1,400
	No Component	70%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,700
Exhaust Fans								
	Roof	100%			2032	**	2	\$300
<b>Plumbing</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.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 68/LADDER CO. 49**  
**Asset # : 13056**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
H/C Water Piping	Brass/Copper	100%			2037	**	1	
Water Heater	Gas Fired	100%			2022	\$6,000	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping	Cast Iron	50%			LIFE	**	1	
	Cast Iron	50%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Fixtures	Generic	100%						
<b>Fire Suppression</b>								
Sprinkler	No Component	90%						
	Generic	10%			2037	**	1-2	\$300
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st And 2nd Floor</i>								
<i>Explanation : Serves Stairs</i>								
Chemical System	Wet	100%			2022	\$26,700	1-3	\$4,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Serves Cooking Area</i>								

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 69  
**Address** : 248 WEST 143rd STREET  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.069 / 13057 **Yr Built/Renovated** : 1904 / 1997  
**Area Sq Ft** : 11,250 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 12-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 2028 **Lot** : 51 **BIN** : 1075491

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$119,200
Interior Architecture	\$47,700	\$69,000
Electrical		\$27,500
Mechanical		\$194,700
<b>Total</b>	<b>\$47,700</b>	<b>\$410,400</b>
Importance Code A		\$119,200
Importance Code B	\$47,700	\$291,200
<b>Total</b>	<b>\$47,700</b>	<b>\$410,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$53,500		\$15,400	
Interior Architecture	\$44,500	\$1,100	\$1,300	\$1,000
Electrical	\$15,500	\$900	\$1,900	\$800
Mechanical	\$46,400	\$2,200	\$5,900	\$2,100
<b>Total</b>	<b>\$159,900</b>	<b>\$4,200</b>	<b>\$24,500</b>	<b>\$3,900</b>
Importance Code A	\$54,000	\$600	\$16,100	\$600
Importance Code B	\$95,700	\$2,500	\$8,400	\$3,400
Importance Code C	\$10,100	\$1,100		
<b>Total</b>	<b>\$159,900</b>	<b>\$4,200</b>	<b>\$24,500</b>	<b>\$3,900</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 69**  
**Asset # : 13057**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	72%			LIFE	**	5	\$27,900	
Masonry: Granite	10%			LIFE	**	5	\$2,900	
Metal Panel	3%			2037	**	5-10	\$8,000	
Metal Sect. OHD	5%			2040	**	5	\$6,100	
Stucco Cement	10%			2040	**	5	\$9,700	
Windows								
Aluminum	100%	Now	\$11,900	2026	\$119,200	5	\$1,400	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Copper/Terne	25%			2062	**	5	\$3,000	
Metal Panel	75%			2047	**	5	\$7,200	
Roof								
Asphalt Shingle	5%			2036	**	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Outdoor Kitchen Surround</i>								
Modified Bitumen	67%			2032	**	10	\$8,100	
Modified Bitumen	20%	Now	\$33,700	2037	**			
<i>Debris Present, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Lower Roof</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Lower Roof</i>								
Skylight, Metal/Glass	8%			2047	**	10	\$3,200	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$17,400	
Quarry Tile	10%			2032	**	5	\$2,700	
Vinyl Tile	45%	2-4	\$13,800	2027	\$69,000	3	\$3,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 3rd Floor Bunk Room</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd And 3rd Floors</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 69**  
**Asset # : 13057**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	10%			2036	**	5	\$2,200	
Gypsum Board	40%	4+	\$3,800	LIFE	**	5	\$5,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stairwell</i>								
Masonry: Brick	15%			LIFE	**			
Plaster	35%	Now	\$6,400	LIFE	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Stair</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	50%	0-2	\$14,700	2032	**	5	\$4,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd And 3rd Floors</i>								
Exposed Struc: Steel	25%	Now	\$47,700	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Sidewalk And Rear Addition Vaults</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Sidewalk And Rear Addition Vaults</i>								
<i>Other Observation, Extent : Light, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Material Actually Metal Decking</i>								
Plaster	25%	0-2	\$5,900	LIFE	**	5	\$2,800	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Room and Kitchen</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	100%			2037	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 600 Amperes.</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2037	**	5	\$300	
<b>Raceway</b>								
Conduit	30%			2037	**	1		
Conduit	70%			2027	\$22,400	1		
<b>Panelboards</b>								
Fused Disc Sw	5%			2035	**	5		
Molded Case Bkrs	25%			2035	**	5	\$100	
Molded Case Bkrs	70%			2026	\$27,500	5	\$200	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 69**  
**Asset # : 13057**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Under 600 Volts								
Wiring								
	Thermoplastic	100%			2037	**	1	
Motor Controllers								
	Locally Mounted	100%			2032	**	5	\$100
Ground								
Grounding Devices								
	Generic	100%	2-4	\$9,700	LIFE	**	5	\$200
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Stand-by Power								
Transfer Switches								
	Automatic	100%			2032	**	1	\$3,500
Generators								
	Diesel	100%			2030	**	1	\$4,400
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated At 62kw</i>								
Batteries								
	Lead/Acid	100%			2020	\$1,500	5	\$400
Fuel Storage								
	Day Tank	100%			2035	**	5	\$2,100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 50 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
	Fluorescent	93%			2027	\$29,000	10	\$9,600
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
	Fluorescent	1%			2027	\$300	10	\$100
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
	Fluorescent	5%	Now	\$1,600	2037	**		
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
	Incandescent	1%			2022	\$700	2	
Egress Lighting								
	Emergency, Service	50%			2027	\$2,800	1	
	Exit, Service	50%	Now	\$600	2037	**	1	
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Exterior Lighting								
	HID	20%			2027	\$8,700	10	
	No Component	80%						

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 69**  
**Asset # : 13057**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Plant Campus Steam / PRV	70%	Now		2037	**	1		
			<i>Other Observation, Extent : Moderate, Area Affected : 70%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Steam Comes From Adjacent Building (Police Station). Insulation Insufficient</i>					
Natural Gas	30%			2037	**	1		
Conversion Equipment								
Furnace	30%			2027	\$7,600	1	\$1,700	
			<i>Other Observation, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : 4 Roof Top Gas Fired Heating / Cooling Units</i>					
Heat Exchanger, Plate & Frame	70%			2030	**	1	\$3,900	
			<i>Other Observation, Extent : Light, Area Affected : 70%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 Unit</i>					
Distribution								
Central Plant Steam Piping/Pmp	70%	Now	\$6,400	2027	\$127,400	4	\$400	
			<i>Malfunctioning, Extent : Severe, Area Affected : 5%</i>					
			<i>Location : Temperature Control</i>					
No Component	30%							
Terminal Devices								
Convactor/Radiator	30%			2032	**	1	\$1,100	
Unit Heater - Steam	40%			2027	\$15,400	4	\$400	
No Component	30%							
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%	Now	\$3,400	2027	\$67,300	2	\$300	
			<i>Noisy/Vibrating, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Roof</i>					
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 50%</i>					
			<i>Location : 4 Units. Roof</i>					
Window/Wall Unit	10%			2022	\$2,200	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,100	
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. 69**  
**Asset # : 13057**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
Exhaust Fans								
	Roof	55%			2027	\$9,800	2	\$200
	Wall Unit	25%	Now	\$100	2027	\$1,000	2	\$100
<i>Malfunctioning, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Operational Area</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Air Ventilation Is Poor In 1st Floor Recommending More Wall Units</i>								
	No Component	20%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%	0-2	\$8,000	2037	**	1	
<i>Booster Pump w/Tank, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Corroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Water Heater								
	Electric	100%			2025	\$9,500	4	\$100
HW Heat Exchanger								
	Steam Fired	100%			2037	**	4	\$1,700
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Non-Submersible	100%			2022	\$1,600	4	\$200
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	Generic	100%			2053	**	1-2	\$3,200
Fire Pump								
	Generic	100%	Now	\$300	2030	**	1	\$1,900
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : And Leaking. Basement</i>								
Chemical System								
	Generic	100%			2020	\$26,700	1-3	\$4,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 7  
**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-Jun-2015      **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 150      **Lot** : 25      **BIN** : 1001647

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$407,700	
Interior Architecture	\$60,800	
Electrical		\$82,500
Mechanical		\$502,700
<b>Total</b>	<b>\$468,500</b>	<b>\$585,200</b>
Importance Code A	\$407,700	\$127,400
Importance Code B	\$60,800	\$457,800
<b>Total</b>	<b>\$468,500</b>	<b>\$585,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$28,500		\$1,600	
Interior Architecture	\$119,900			\$900
Electrical	\$28,200	\$5,300	\$1,300	\$1,300
Mechanical	\$2,600	\$2,500	\$9,200	\$2,700
<b>Total</b>	<b>\$179,300</b>	<b>\$7,800</b>	<b>\$12,000</b>	<b>\$4,900</b>
Importance Code A	\$30,400	\$1,900	\$3,400	\$1,900
Importance Code B	\$80,800	\$5,800	\$8,600	\$3,000
Importance Code C	\$68,000			
<b>Total</b>	<b>\$179,300</b>	<b>\$7,800</b>	<b>\$12,000</b>	<b>\$4,900</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**  
**ENGINE CO. 7**  
**Asset # : 13006**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$209,100	LIFE	**	5	\$31,100	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Wall</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Wall</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Wall</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Wall</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,700	
Masonry: Limestone	10%	4+	\$60,000	LIFE	**	5	\$3,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Wall</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Front Wall</i>								
Metal Sect. OHD	10%			2039	**	5	\$13,900	
Stucco Cement	5%			2039	**	5	\$5,600	
Windows								
Aluminum	100%			2042	**	5	\$3,100	
Parapets								
Masonry: Brick	85%	2-4	\$8,600	LIFE	**	5	\$2,700	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout.</i>								
Masonry: Limestone	15%	0-2	\$4,100	LIFE	**	5	\$600	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof</i>								
Roof								
Modified Bitumen	95%	Now	\$138,500	2031	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								
<i>Debris Present, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Drains</i>								
<i>Drains Clogged, Extent : Light, Area Affected : 2%</i>								
<i>Location : Over Kitchen Roof.</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Drain And Exhaust Fan</i>								
Skylight, Metal/Glass	5%	0-2	\$15,900	2046	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Middle Of 2 Skylights</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								

## 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. 7**  
**Asset # : 13006**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$21,600	
Ceramic Tile	5%			2035	**	5	\$1,400	
Quarry Tile	5%			2039	**	5	\$2,100	
Vinyl Tile	25%	Now	\$20,100	2031	**	3	\$2,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout - Primarily 3rd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Various Locations Throughout</i>								
Wood	30%	0-2	\$31,100	2041	**	5	\$8,000	
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Bunk Room.</i>								
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : Battalion Chief Side And Offices</i>								
Interior Walls								
Ceramic Tile	5%			2035	**	5	\$1,900	
Concrete Masonry Unit	5%			LIFE	**	5	\$800	
Gypsum Board	20%			LIFE	**	5	\$4,700	
Masonry: Brick	15%	Now	\$25,300	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Plaster	30%	Now	\$20,800	LIFE	**	5	\$3,500	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor, Front Wall</i>								
SGFT/Glazed Masonry	25%	Now	\$20,900	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor.</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
Ceilings								
AcousTileSusp.Lay-In	15%			2039	**	5	\$4,200	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout</i>								
Embossed Metal	55%	0-2	\$60,800	LIFE	**	5	\$7,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Plaster	30%			LIFE	**	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.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 7**  
**Asset # : 13006**

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Service Equipment								
	Fused Disc Sw	100%			2036	**	5	\$100
<i>Enclosure Corroded, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amperes</i>								
Raceway								
	Conduit	80%			2026	\$27,900	1	
	Conduit	20%			2036	**	1	
<i>Recent Installation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Panelboards								
	Molded Case Bkrs	75%			2042	**	5	\$400
	Molded Case Bkrs	25%			2034	**	5	\$100
<i>Recent Installation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Wiring								
	Braided Cloth	20%	2-4	\$6,200	2051	**	1	
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
	Thermoplastic	60%			2036	**	1	
	Thermoplastic	20%			2036	**	1	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Motor Controllers								
	Locally Mounted	100%			2031	**	5	\$100
Ground								
Grounding Devices								
	Metal Water Pipe	100%	0-2	\$10,600	2046	**	5	\$300
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Stand-by Power								
Transfer Switches								
	Automatic	100%			2039	**	1	\$5,800
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Used For Portable Generator.</i>								
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. 7**  
**Asset # : 13006**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	75%			2026	\$42,800	10	\$13,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	20%			2031	**	10	\$3,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
HID	5%			2026	\$1,100	10		
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Apparatus Room</i>								
<b>Egress Lighting</b>								
Emergency, Battery	10%			2031	**	10	\$500	
<i>Recent Installation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
Exit, Service	80%			2031	**	1		
Exit, Battery	10%			2031	**	10	\$100	
<i>Recent Installation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<b>Exterior Lighting</b>								
HID	50%			2026	\$39,700	10		
No Component	50%							
<b>Alarm</b>								
Fire/Smoke Detection No Component	50%							
Generic, Analog	50%	Now	\$10,900	2036	**	1-3	\$5,300	
<i>Devices Missing, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2046	**	1		
Conversion Equipment Steam Boiler	100%			2024	\$127,400	1	\$18,700	
Distribution Central Plant Steam Piping/Pmp	100%			2026	\$333,300	4	\$900	
Terminal Devices Convactor/Radiator	100%			2031	**	1	\$6,100	
<b>Air Conditioning</b>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 7**  
**Asset # : 13006**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Energy Source								
	Electricity	100%			2042	**	1	
Conversion Equipment								
	Split Unit	10%			2026	\$42,000		
	Window/Wall Unit	40%			2024	\$16,400	1	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st, 2nd And 3rd Floors</i>								
<i>Explanation : 30 Percent New; 70 Percent Old</i>								
	No Component	50%						
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2	\$24,600
<i>Abandoned in Place, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Heat Rejection								
	No Component	90%						
	No Component	10%						
Ventilation								
Exhaust Fans								
	Roof	5%			2026	\$1,600	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Kitchen Exhaust</i>								
	No Component	95%						
Plumbing								
H/C Water Piping								
	Galvanized Steel	100%			2031	**	1	
Water Heater								
	Gas Fired	100%			2024	\$12,000	2	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 74 Gallon Units</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
<i>Corroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Sump Pump(s)								
	Non-Submersible	100%			2031	**	4	\$400
<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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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 7**  
**Asset # : 13006**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Backflow Preventer							
	No Component	90%						
	Generic	10%			2034	**	1	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Boiler Room</i>						
		<i>Explanation : At Boiler Only</i>						
<hr/>								
	<b>Fixtures</b>							
	Generic	100%						
<hr/>								

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 \*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 70 / LADDER CO. 53  
**Address** : 169 SCHOFIELD STREET  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.070 / 13058 **Yr Built/Renovated** : 1939 /  
**Area Sq Ft** : 6,912 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 13-Jul-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5642 **Lot** : 118 **BIN** : 2082474

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$76,600
Interior Architecture	\$55,200	
Electrical		\$81,400
Mechanical		\$49,300
<b>Total</b>	<b>\$55,200</b>	<b>\$207,200</b>
Importance Code A		\$76,600
Importance Code B	\$55,200	\$130,600
<b>Total</b>	<b>\$55,200</b>	<b>\$207,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$29,900		\$5,900	
Interior Architecture	\$54,000			\$800
Electrical	\$31,500			\$100
Mechanical	\$3,400	\$900	\$11,900	\$900
Site Enclosure	\$500			
<b>Total</b>	<b>\$119,300</b>	<b>\$900</b>	<b>\$17,900</b>	<b>\$1,800</b>
Importance Code A	\$30,600	\$700	\$6,600	\$700
Importance Code B	\$75,000	\$200	\$11,300	\$700
Importance Code C	\$13,700			\$400
<b>Total</b>	<b>\$119,300</b>	<b>\$900</b>	<b>\$17,900</b>	<b>\$1,800</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**  
**ENGINE CO. 70 / LADDER CO. 53**  
**Asset # : 13058**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	82%			LIFE	**	5	\$38,900	
Masonry: Granite	3%			LIFE	**	5	\$1,100	
Masonry: Limestone	5%			LIFE	**	5	\$1,800	
Wood Overhead Doors	10%			2027	\$76,600	5	\$11,900	
Windows								
Aluminum	100%	Now	\$9,000	2037	**	5	\$1,100	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Weather Strip Missing, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	100%			2038	**	10	\$2,000	
Soffits								
Wood	100%			2034	**	5		
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$55,200	LIFE	**	5	\$11,400	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Steel Columns In Basement Are Shoring Up Apparatus Room Floor</i>								
Ceramic Tile	5%	Now	\$1,000	2038	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bathrooms</i>								
Terrazzo	10%	Now	\$24,700	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Shower Stall Area And 2nd Floor Bathroom</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Shower Stall Area And 2nd Floor Bathroom</i>								
Vinyl Tile	35%	4+	\$600	2029	\$31,600	3	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor Locker Room</i>								
Interior Walls								
Cast in Place Concrete	23%			LIFE	**	10	\$8,200	
Ceramic Tile	5%			2038	**	5	\$700	
Marble Panels	2%			LIFE	**	10	\$100	
Plaster	45%			LIFE	**	5-10	\$5,500	
SGFT/Glazed Masonry	25%			LIFE	**	10	\$1,800	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 70 / LADDER CO. 53**  
**Asset # : 13058**

<b>Architecture</b>		<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>		
<b>Interior</b>									
<b>Ceilings</b>									
AcousTileSusp.Lay-In	5%	Now	\$1,300	2046	**	5	\$300		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>									
<i>Location : 2nd Floor Office And Dining Room</i>									
Exposed Concrete	20%			LIFE	**	5-10	\$2,600		
Plaster	75%	4+	\$10,500	LIFE	**	5	\$4,900		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>									
<i>Location : 2nd Floor Locker Room And Office</i>									
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Locker Room And Apparatus Room</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : 2nd Floor Office</i>									
<b>Site Enclosure</b>									
<b>Fence/Gates</b>									
Chain Link	50%			2039	**				
Wood	50%			2027	\$14,000				
<b>Retaining Walls</b>									
Cast in Place Concrete	100%	Now	\$500	2079	**				
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : At Entry To Alleyway</i>									
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : 3 Foot High Retaining Wall Has Minor Vertical Cracks At Several Locations</i>									
<b>Site Pavements</b>									
<b>Public Sidewalk</b>									
Cast in Place Concrete	100%			2034	**				
<b>On-Site Walkways</b>									
Cast in Place Concrete	100%			2034	**				
<b>Parking/Driveway</b>									
Under Construction	100%								
<b>Activity Yard</b>									
Cast in Place Concrete	100%			2034	**				

<b>Electrical</b>		<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>		
<b>Under 600 Volts</b>									
<b>Service Equipment</b>									
Molded Case Bkrs	100%			2029	\$4,900	5	\$200		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement Main Electrical Area</i>									
<i>Explanation : 200 Ampere Circuit Breaker In Main Distribution Panel</i>									
<b>Switchgear / Switchboard</b>									
Molded Case Bkrs	100%			2029	\$49,900	5	\$200		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement Main Electrical Area</i>									
<i>Explanation : Showing Wear Due To Regular Usage</i>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 70 / LADDER CO. 53**  
**Asset # : 13058**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Raceway</b>								
Conduit	100%			2039	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	55%			2028	\$21,600	5	\$100	
Molded Case Bkrs	20%			2045	**	5		
Molded Case Bkrs	25%	Now	\$2,000	2028	\$9,800	5		
<i>Mech. Misoperation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Weight Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Main Electrical Area</i>								
<i>Explanation : One Panel Trim Is Missing</i>								
<b>Wiring</b>								
Braided Cloth	70%	2-4	\$19,800	2054	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	20%			2039	**	1		
Thermoplastic	10%			2049	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2027	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Roll Up Gate</i>								
<i>Explanation : Showing Wear Due To Regular Usage</i>								
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%	4+	\$9,700	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement, Main Water Service</i>								
<i>Explanation : Ground Conductors Terminations And Conduits Are Rusted</i>								
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
Under Construction	100%							
<b>Generators</b>								
Under Construction	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Outside</i>								
<i>Explanation : 75 Kilo-volt-ampere Diesel</i>								
<b>Batteries</b>								
Not Accessible	100%							
<b>Fuel Storage</b>								
Under Construction	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Outside</i>								
<i>Explanation : 120 Gallon Day Tank</i>								
<b>Lighting</b>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 70 / LADDER CO. 53**  
**Asset # : 13058**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	38%			2029	\$7,300	10	\$2,400	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	60%			2034	**	10	\$3,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	2%			2029	\$900	2		
<b>Egress Lighting</b>								
Emergency, Battery	50%			2029	\$4,800	10	\$800	
Exit, Battery	50%			2029	\$1,300	10	\$200	
<b>Exterior Lighting</b>								
HID	50%			2034	**	10		
No Component	50%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2049	**	1		
<b>Conversion Equipment</b>								
Steam Boiler	100%			2034	**	1	\$6,900	
<b>Distribution</b>								
Steam Piping/Pump	100%			2039	**			
<b>Terminal Devices</b>								
Convactor/Radiator	100%			2034	**	1	\$2,200	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2045	**	1		
<b>Conversion Equipment</b>								
Window/Wall Unit	80%			2022	\$11,000	1		
No Component	20%							
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2029	\$49,300	1		
<b>Water Heater</b>								
Gas Fired	100%			2024	\$4,000	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 74 Gallon Units</i>								
<b>Sanitary Piping</b>								
Cast Iron	100%	Now	\$2,400	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Showers Leak Over Kitchen</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 70 / LADDER CO. 53**

**Asset # : 13058**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
<hr/>								
	Fixtures							
	Generic	100%						
			<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Bathrooms</i>					
<hr/>								
<b>Fire Suppression</b>								
	Chemical System							
	No Component	98%						
	Generic	2%			2024	\$500	1-3	\$100
			<i>Other Observation, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Kitchen Hood</i>					
<hr/>								

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 02-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Floors x  
**Block** : 2377 **Lot** : 1 **BIN** : 2001400

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$73,900	\$219,000
Interior Architecture	\$36,800	
Electrical		\$3,900
Mechanical		\$85,800
<b>Total</b>	<b>\$110,700</b>	<b>\$308,700</b>
Importance Code A	\$73,900	\$304,800
Importance Code B		\$3,900
Importance Code C	\$36,800	
<b>Total</b>	<b>\$110,700</b>	<b>\$308,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$44,800			
Interior Architecture	\$39,300	\$300	\$700	
Electrical	\$2,700	\$1,400	\$1,200	\$800
Mechanical	\$9,400	\$1,200	\$48,800	\$1,500
<b>Total</b>	<b>\$96,300</b>	<b>\$2,900</b>	<b>\$50,700</b>	<b>\$2,300</b>
Importance Code A	\$45,400	\$600	\$700	\$600
Importance Code B	\$50,300	\$2,300	\$50,000	\$1,700
Importance Code C	\$600			
<b>Total</b>	<b>\$96,300</b>	<b>\$2,900</b>	<b>\$50,700</b>	<b>\$2,300</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 71/LADDER CO. 55/ DIVISION 6**  
**Asset # : 13059**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick Cavity	10%	Now	\$20,200	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Sides Of Overhead Doors And Side Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : All Facades</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Sides Of Overhead Doors And Side Facade</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Window Openings Throughout</i>								
Masonry: Brick Cavity	80%	4+	\$53,800	LIFE	**	5	\$14,100	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Perimeter Walls</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Perimeter Walls</i>								
Wood Overhead Doors	10%	0-2	\$11,300	2032	**	5	\$4,400	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	95%	Now	\$8,800	2035	**	5	\$2,100	
<i>Condensation Present, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : House Watch Window</i>								
Metal Louvers	5%			2030	**	10	\$1,400	
Parapets								
Masonry: Brick Cavity	30%			LIFE	**	5	\$600	
Metal Panel	70%	0-2	\$5,700	2037	**	5	\$2,800	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Metal Coping- Caulk Joints Failing Throughout</i>								
Roof								
Asphalt Shingle	5%			2030	**	10	\$200	
Built-Up (BUR)	70%	0-2	\$10,900	2027	\$219,000			
<i>Debris on Roof, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Center Section Of Flat Roof</i>								
Metal Panel	25%	2-4	\$6,500	2032	**			
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Cap Joints At Metal Panels</i>								

Interior

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 71/LADDER CO. 55/ DIVISION 6**  
**Asset # : 13059**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	25%			LIFE	**	5	\$9,500	
Cast in Place Concrete	20%	Now	\$7,400	LIFE	**	5	\$7,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Communications Room In Cellar And Apparatus Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Due To Ground Water Backup Through Floor Drains</i>								
<i>Explanation : Water Damage In Basement</i>								
Ceramic Tile	5%			2030	**	5	\$900	
Sheet Vinyl/Rubber	5%			2032	**	5	\$1,300	
Vinyl Tile	15%			2027		3	\$22,700	
Under Construction	30%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Area Under Construction</i>								
<b>Interior Walls</b>								
Ceramic Tile	5%			2030	**	5	\$1,200	
Concrete Masonry Unit	35%	Now	\$36,800	LIFE	**	5	\$3,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Walls - Ground Water Penetration</i>								
Gypsum Board	2%			LIFE	**	5	\$300	
SGFT/Glazed Masonry	28%			LIFE	**			
Under Construction	30%							
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2040	**	5	\$1,700	
Exposed Struc: Steel	40%	Now	\$30,000	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Apparatus Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Metal Decking</i>								
Gypsum Board	20%			LIFE	**	5	\$4,400	
Under Construction	30%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Under Construction</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 71/LADDER CO. 55/ DIVISION 6**  
**Asset # : 13059**

<b>Electrical</b>	<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Molded Case Bkrs	100%			2037	**	5	\$300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : Main Service Switch Rated At 600 Amperes.</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2037	**	5	\$300	
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Fused Disc Sw	2%			2035	**	5		
Molded Case Bkrs	88%			2035	**	5	\$300	
Molded Case Bkrs	10%			2026	\$3,900	5		
		<i>Covers Missing, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Boiler Room</i>						
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,700	5	\$100	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2032	**	1	\$3,600	
Generators								
Diesel	100%			2030	**	1	\$4,500	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement / Rear</i>						
		<i>Explanation : Emergency Generator Rated At 50kw</i>						
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$400	
Fuel Storage								
Day Tank	50%			2026	\$400	5	\$1,100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : 25 Gallons Rated Capacity</i>						
Main Tank	50%			2042	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Underground</i>						
		<i>Explanation : 600 Gallons Rated Capacity</i>						
<b>Lighting</b>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 71/LADDER CO. 55/ DIVISION 6**  
**Asset # : 13059**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	95%			2027	\$30,700	10	\$10,200	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Fluorescent	5%			2027	\$1,600	10	\$500	
		<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Hallways</i>						
<b>Egress Lighting</b>								
Emergency, Service	50%			2027	\$2,900	1		
Exit, Service	50%			2027	\$700	1		
<b>Exterior Lighting</b>								
HID	20%			2027	\$9,000	10		
No Component	80%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2037	**	1		
<b>Conversion Equipment</b>								
Hot Water Boiler	100%			2025	\$85,800	1	\$5,800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 3 Units</i>						
<b>Distribution</b>								
Hot Wtr Piping/Pump	100%			2035	**	4	\$600	
<b>Terminal Devices</b>								
Convactor/Radiator	50%			2025	\$29,800	1	\$1,900	
Unit Heater - Steam	50%			2022	\$19,900	4	\$500	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2035	**	1		
<b>Conversion Equipment</b>								
Window/Wall Unit	40%			2025	\$9,300	1		
No Component	60%							
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,200	
No Component	50%							
<b>Exhaust Fans</b>								
Roof	50%			2027	\$9,200	2	\$200	
Wall Unit	50%			2027	\$2,000	2	\$200	

**Plumbing**

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific 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**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%	Now	\$4,200	2037	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Water Main Valve, Basement</i>								
Water Heater	Gas Fired	100%			2025	\$6,800	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 74 Gallon Units</i>								
Sanitary Piping	Cast Iron	100%	Now	\$4,100	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement At Melrose Avenue Side</i>								
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Non-Submersible	100%			2032	**	4	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Duplex Unit</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler	No Component	85%						
	Generic	15%			2027	\$16,400	1-2	\$500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And 2nd Floor</i>								
<i>Explanation : Serves Partial Basement And 2nd Floor Corridor</i>								
Chemical System	Wet	100%			2022	\$26,700	1-3	\$4,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Serves Cooking Area</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 72  
**Address** : 3929 EAST TREMONT AVENUE  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.072 / 13060 **Yr Built/Renovated** : 1972 /  
**Area Sq Ft** : 7,574 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 16-Jul-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5443 **Lot** : 170 **BIN** : 2077258

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$153,800	\$168,600
Interior Architecture		\$44,700
<b>Total</b>	<b>\$153,800</b>	<b>\$213,200</b>
Importance Code A	\$153,800	\$168,600
Importance Code B		\$44,700
<b>Total</b>	<b>\$153,800</b>	<b>\$213,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$69,600		\$1,600	
Interior Architecture	\$29,100		\$600	\$900
Electrical	\$1,100	\$500	\$600	\$2,100
Mechanical	\$21,000	\$700	\$1,800	\$600
Site Enclosure	\$100			
Site Pavements	\$4,000			\$100
<b>Total</b>	<b>\$124,900</b>	<b>\$1,200</b>	<b>\$4,600</b>	<b>\$3,700</b>
Importance Code A	\$70,800	\$400	\$2,000	\$400
Importance Code B	\$38,900	\$800	\$2,600	\$2,800
Importance Code C	\$15,300			\$500
<b>Total</b>	<b>\$124,900</b>	<b>\$1,200</b>	<b>\$4,600</b>	<b>\$3,700</b>



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. 72**  
**Asset # : 13060**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	10%			LIFE	**	5	\$20,800	
Masonry: Brick	80%	Now	\$153,800	LIFE	**	5	\$16,600	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Loose Units, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	5%			2042	**	5	\$3,300	
Window Wall	5%			2039	**	5	\$3,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Inner Courtyard</i>								
<i>Explanation : Storefront Glazing Assembly</i>								
Windows								
Aluminum	100%	Now	\$25,500	2037	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Screens Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Side And Rear, 2nd Floor Dormitory And Court</i>								
Parapets								
Metal Panel	60%			2039	**	5	\$7,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Roof</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	40%			2034	**	5-10	\$23,100	
Roof								
Modified Bitumen	95%	0-2	\$33,700	2029			\$168,600	
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Main Roof</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
Skylight, Plastic	5%			2034	**	1		
Soffits								
Stucco Cement	100%			2042	**	5		
Interior								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 72**  
**Asset # : 13060**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$3,800	LIFE	**	5	\$15,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Apparatus Floor Entrance</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Apparatus Floor Entrance</i>								
Ceramic Tile	2%			2042	**	5	\$200	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Mosaic Tile	3%	Now	\$1,100	2034	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Main Bathroom</i>								
Quarry Tile	2%			2042	**	5	\$400	
Vinyl Tile 9" X 9"	33%			2029		3	\$2,000	
Interior Walls								
Cast in Place Concrete	10%	4+	\$5,000	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Front Of Cellar</i>								
Ceramic Tile	5%			2038	**	5	\$800	
Concrete Masonry Unit	60%			LIFE	**	5	\$7,500	
Gypsum Board	5%			LIFE	**	5-10	\$1,300	
SGFT/Glazed Masonry	20%			LIFE	**	10	\$1,600	
Ceilings								
AcousTileSusp.Lay-In	5%			2027		5	\$600	
Exposed Concrete	70%			LIFE	**	5-10	\$10,500	
Plaster	25%			LIFE	**	5-10	\$5,200	
Site Enclosure								
Fence/Gates								
Cast in Place Concrete	20%	Now	\$100	2049	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Side Of Building</i>								
Chain Link	65%			2039	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Wood	15%			2027			\$5,000	
Free Standing Walls								
Concrete Masonry Unit	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 72**  
**Asset # : 13060**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Pavements								
On-Site Walkways								
Asphalt	25%			2032	**			
Cast in Place Concrete	25%	Now	\$100	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North Side Of Building</i>								
Pavers/Stone	5%			2038	**			
Wood	45%	2-4	\$3,900	2029	\$3,900	1-3	\$500	
<i>Rotting/Splitting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
Parking/Driveway								
Asphalt	100%			2032	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2039	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Ampere</i>								
Raceway								
Conduit	100%			2039	**	1		
Panelboards								
Molded Case Bkrs	100%			2037	**	5	\$200	
Wiring								
Thermoplastic	100%			2039	**	1		
Motor Controllers								
Locally Mounted	100%			2034	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	**	1	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Ampere 3 Pole</i>								
Generators								
Diesel	100%			2038	**	1	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Backyard</i>								
<i>Explanation : 40 Kilowatt 50 Kilovolt-Ampere 3 Phase</i>								
Batteries								
Lead/Acid	100%			2023	\$1,500	5	\$300	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 72**  
**Asset # : 13060**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power								
Fuel Storage								
Day Tank	10%			2045	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Under Enclosure Backyard</i>								
<i>Explanation : 50 Gallon Diesel Fuel</i>								
No Component	90%							
Lighting								
Interior Lighting								
Fluorescent	30%			2034	**	10	\$2,100	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fluorescent	70%			2037	**	10	\$4,900	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floor</i>								
Egress Lighting								
Emergency, Service	50%			2029		1	\$1,900	
Exit, Service	50%			2029		1	\$400	
Exterior Lighting								
HID	50%	Now	\$200	2039	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade And Side Parking Lot</i>								
<i>Explanation : Wall Mounted, Controlled Via Time Clock</i>								
No Component	50%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Hot Water Boiler	100%	Now	\$1,100	2042	**	1	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Basement</i>								
<i>Explanation : Slight Drip From Pressure Relief Valve</i>								
Distribution								
Hot Wtr Piping/Pump	100%	Now	\$1,100	2037	**	4	\$400	
<i>Damaged, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement Circulating Pump</i>								
Terminal Devices								
Convactor/Radiator	90%			2034	**	1	\$2,200	
Unit Heater - Hot Water	10%			2029			\$2,700	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 72**  
**Asset # : 13060**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Air Conditioning</b>								
<b>Conversion Equipment</b>								
Exterior Pkg Unit - Cooling	20%	Now	\$11,700	2039	**	2	\$100	
<i>Abandoned in Place, Extent : Light, Area Affected : 30%</i>								
<i>Location : 1 Unit On Roof</i>								
Split Unit	20%			2024	\$30,900			
Window/Wall Unit	40%	0-2	\$3,000	2024	\$6,000	1		
<i>Malfunctioning, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd Floor</i>								
No Component	20%							
<b>Distribution</b>								
Ductwork/Diffusers	20%			LIFE	**	2	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Serves Bunk Room</i>								
No Component	80%							
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,700	
<b>Exhaust Fans</b>								
Roof	100%			2034	**	2	\$200	
<i>Malfunctioning, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen Hood Too Small</i>								
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
Brass/Copper	100%			2039	**	1		
<b>Water Heater</b>								
Gas Fired	100%			2024	\$4,400	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
<b>Sanitary Piping</b>								
Cast Iron	100%			LIFE	**	1		
<b>Storm Drain Piping</b>								
Cast Iron	100%	Now	\$800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Sewer Connection</i>								
<b>Sump Pump(s)</b>								
Non-Submersible	100%			2029	\$1,100	4	\$200	
<b>Backflow Preventer</b>								
No Component	95%							
Generic	5%			2034	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 72**  
**Asset # : 13060**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Plumbing	Fixtures							
	Generic	100%						

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 \*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 23-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 2675 **Lot** : 33 **BIN** : 2094318

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$161,600	\$35,100
Electrical		\$98,400
Mechanical	\$163,400	\$43,400
<b>Total</b>	<b>\$325,000</b>	<b>\$176,900</b>
Importance Code A	\$161,600	\$35,100
Importance Code B	\$163,400	\$141,800
<b>Total</b>	<b>\$325,000</b>	<b>\$176,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$10,100		\$1,800	
Interior Architecture	\$9,800	\$6,500		\$5,500
Electrical	\$17,100	\$3,100	\$1,100	\$2,600
Mechanical	\$17,900	\$18,700	\$8,500	\$1,700
Site Enclosure	\$500			
Site Pavements	\$16,700			
<b>Total</b>	<b>\$72,100</b>	<b>\$28,300</b>	<b>\$11,400</b>	<b>\$9,800</b>
Importance Code A	\$10,900	\$17,900	\$2,500	\$800
Importance Code B	\$35,300	\$10,500	\$8,800	\$9,000
Importance Code C	\$26,000			
<b>Total</b>	<b>\$72,100</b>	<b>\$28,300</b>	<b>\$11,400</b>	<b>\$9,800</b>



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
 \*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 73/LADDER CO. 42**  
**Asset # : 13061**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$38,700	LIFE	**	5	\$25,100	
<i>Expansion Jnt Failure, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Between E73 And L42</i>								
Masonry: Granite	5%	Now	\$10,100	LIFE	**	5	\$1,300	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Front Facade.</i>								
Masonry: Limestone	10%			LIFE	**	5	\$2,500	
Metal Sect. OHD	10%			2039	**	5	\$10,500	
Windows								
Aluminum	100%			2042	**	5	\$3,500	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$2,800	
Masonry: Limestone	10%			LIFE	**	5	\$400	
<i>Loose Units, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : At Roof Ladder</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Parapet</i>								
<i>Explanation : Roof Ladder Causing Damage To Coping Stone</i>								
Roof								
Asphalt Shingle	10%			2035	**	10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Addition Behind Building</i>								
<i>Explanation : Additional Storage Building On Property</i>								
Modified Bitumen	70%	Now	\$122,900	2036	**			
<i>Drains Clogged, Extent : Light, Area Affected : 2%</i>								
<i>Location : Both Roof Drains Need To Be Cleaned.</i>								
<i>Drains Inad/Misposn, Extent : Light, Area Affected : 5%</i>								
<i>Location : Roof Above 2nd Floor Bathroom.</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Upper And Lower Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Upper Roof At Hvac Curb</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Upper Roof At Hvac Curb</i>								
<i>Explanation : Large Amount Of Water Trapped Below Roofing. Roof Is Bubbling</i>								
Modified Bitumen	20%			2026	\$35,100	10	\$2,500	
Interior								

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\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 73/LADDER CO. 42**  
**Asset # : 13061**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$19,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Gymnasium</i>								
Ceramic Tile	5%			2035	**	5	\$1,100	
Linoleum	5%			2027	\$11,200	3	\$400	
Quarry Tile	5%			2039	**	5	\$1,700	
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	15%			2026	\$29,600	3	\$1,700	
Wood	30%			2061	**	5	\$12,800	
<i>Deteriorated Finish, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2035	**	5	\$1,300	
Gypsum Board	25%	Now	\$600	LIFE	**	5	\$4,000	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Second Floor Locker Room</i>								
Masonry: Brick	25%	Now	\$5,400	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement, Truck Side Under Sidewalk.</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement Gymnasium, Truck Side.</i>								
Plaster	20%	4+	\$2,200	LIFE	**	5	\$1,600	
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Stair.</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	45%			2043	**	5	\$10,200	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout.</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout</i>								
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	20%			LIFE	**	5	\$5,700	
Plaster	10%			LIFE	**	5	\$1,400	
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$500	2052	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Of Property</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Of Building</i>								
<i>Explanation : Fence Has Been Vandalized</i>								
Site Pavements								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 73/LADDER CO. 42**  
**Asset # : 13061**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Site Pavements

## Parking/Driveway

Cast in Place Concrete	100%	Now	\$16,700	2039	**			
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*Cracking/Crumbling, Extent : Severe, Area Affected : 10%**Location : Front Apron**Other Observation, Extent : Severe, Area Affected : 25%**Location : Front Apron**Explanation : Apron And Street Sinking. Allowing Vehicle To Hit Sidewalk*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2046	**	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 400 Amperes*

## Switchgear / Switchboard

Fused Disc Sw	100%			2046	**	5	\$100	
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## Raceway

Conduit	100%			2046	**	1		
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## Panelboards

Molded Case Bkrs	100%			2034	**	5	\$400	
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## Wiring

Thermoplastic	100%			2036	**	1		
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## Motor Controllers

Locally Mounted	100%			2031	**	5	\$100	
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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## Stand-by Power

## Transfer Switches

Automatic	100%			2043	**	1	\$4,700	
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*Recent Installation, Extent : Light, Area Affected : 100%**Location : Basement*

## Generators

Diesel	100%			2039	**	1	\$5,900	
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*Recent Installation, Extent : Light, Area Affected : 100%**Location : Side Parking Area**Other Observation, Extent : Light, Area Affected : 100%**Location : Side Parking Lot**Explanation : 125 Kva*

## Batteries

Lead/Acid	100%			2021	\$1,500	5	\$600	
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*Recent Installation, Extent : Light, Area Affected : 100%**Location : Side Parking Lot Within Generator Enclosure*

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 73/LADDER CO. 42**  
**Asset # : 13061**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power Fuel Storage Day Tank	100%			2048	**	5	\$2,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Parking Area</i>								
<i>Explanation : 225 Gallons</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	95%			2026	\$39,900	10	\$13,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2026	\$5,000	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Stair Tower</i>								
<i>Explanation : Jellyjars</i>								
Egress Lighting Emergency, Service Exit, Service	50%			2026	\$3,800	1		
	50%			2026	\$900	1		
Exterior Lighting HID	100%			2026	\$58,500	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Photocell Control</i>								
<b>Alarm</b>								
Fire/Smoke Detection No Component Generic, Analog	90%							
	10%	0-2	\$16,000	2036	**	1-3	\$800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Obsolete</i>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2046	**	1		
Conversion Equipment Furnace	50%			2021	\$17,100	1	\$3,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 6 Gas Fired Heating / Cooling Units. See A C Section For Notes</i>								
Hot Water Boiler	50%			2031	**	1	\$3,800	
Distribution Hot Wtr Piping/Pump	100%			2042	**	4	\$700	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 73/LADDER CO. 42**  
**Asset # : 13061**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	80%			2039	**	1	\$3,900	
Fan Coil Unit/Heat	20%			2026	\$43,400	1	\$1,000	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	90%	2-4	\$163,400	2036	**	2	\$700	
		<i>Broken, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : 2nd Floor</i>						
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : Units Past Useful Life. Prone To Failures Requires Frequent Repair</i>						
Split Unit	10%	2-4	\$15,500	2034	**			
		<i>Other Observation, Extent : Light, Area Affected : 20%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Indoor Unit Old And Insufficient</i>						
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$19,700	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,500	
Exhaust Fans								
Interior	100%			2031	**	2	\$500	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Gas Fired	100%			2025	\$8,800	2	\$200	
		<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$500	4	\$500	
Fixtures								
Generic	100%							
Fire Suppression								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 73/LADDER CO. 42**  
**Asset # : 13061**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Sprinkler							
	Generic	100%			2046	**	1-2	\$4,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : System Serves Cooking Area</i>								

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Print Date : 25-Oct-2018

### FIRE DEPARTMENT - FY 2019

Asset Name	: ENGINE CO. 74		
Address	: 120 WEST 83rd STREET BTWN COLUMBUS AV - AMSTERDAM AV		
Borough	: MANHATTAN	Agency's Number	: N/A
Program / Asset #	: FIRSECO.074 / 13062	Yr Built/Renovated	: 1888 / 2011
Area Sq Ft	: 6,003	Project Type	: FIRE DEPARTMENT
Date of Survey	: 24-Jan-2018	Landmark Status	: NONE
Areas Surveyed	: Basement, Roof, Floors 1,2,3,4		
Block	: 1213	Lot	: 41
		BIN	: 1032079

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Interior Architecture		\$42,500
Electrical		\$73,500
Mechanical		\$42,800
<b>Total</b>		<b>\$158,800</b>
Importance Code B		\$158,800
<b>Total</b>		<b>\$158,800</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$57,700			
Interior Architecture	\$48,600		\$2,200	\$1,900
Electrical	\$100			\$100
Mechanical	\$4,100	\$900	\$800	\$1,000
Site Enclosure	\$4,700			
Site Pavements	\$200			
<b>Total</b>	<b>\$115,300</b>	<b>\$1,000</b>	<b>\$3,100</b>	<b>\$3,000</b>
Importance Code A	\$58,300	\$600	\$600	\$600
Importance Code B	\$41,600	\$400	\$2,500	\$1,300
Importance Code C	\$15,400			\$1,100
<b>Total</b>	<b>\$115,300</b>	<b>\$1,000</b>	<b>\$3,100</b>	<b>\$3,000</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 74**  
**Asset # : 13062**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Alum/Vinyl Siding	2%			2039	**	10	\$200	
Masonry: Brick	78%			LIFE	**	5	\$44,600	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : North Facade</i>								
Masonry: Brownstone	10%			LIFE	**	5	\$4,300	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade</i>								
Wood Overhead Doors	10%	4+	\$1,800	2034	**	5	\$7,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<b>Windows</b>								
Aluminum	100%	Now	\$8,800	2045	**	5	\$500	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<b>Parapets</b>								
Masonry: Brick	45%			LIFE	**	5-10	\$2,300	
Metal Cornice	10%			2057	**	10	\$200	
Not Accessible	45%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Interior Perimeter Covered With Roofing</i>								
<b>Roof</b>								
Asphalt Shingle	10%	Now	\$200	2038	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Modified Bitumen	90%	Now	\$20,400	2034	**			
<i>Blisters, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

**Interior**

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 74**  
**Asset # : 13062**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	25%	Now	\$21,700	LIFE	**	5	\$4,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Explanation : Steel Columns In Basement Support Apparatus Floor Above</i>								
Ceramic Tile	5%			2038	**	5	\$400	
Quarry Tile	5%	0-2	\$2,400	2042	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Sheet Vinyl/Rubber Vinyl Tile	5%			2029		5	\$600	
	60%	Now	\$4,300	2029		3	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	20%			2038	**	5	\$2,200	
Gypsum Board	5%			LIFE	**	5-10	\$1,000	
Masonry: Brick	10%	Now	\$4,500	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	55%			LIFE	**	5-10	\$5,200	
Plywood/Hardboard	5%			LIFE	**	10	\$100	
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	5%	Now	\$2,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Equipment Bay</i>								
Ceilings								
AcousTileSusp.Lay-In	55%			2042	**	5	\$4,500	
Embossed Metal	20%	0-2	\$7,300	LIFE	**	5	\$700	
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	25%			LIFE	**	5-10	\$3,500	
Site Enclosure								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 74**  
**Asset # : 13062**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Site Enclosure

## Fence/Gates

## Chain Link

100%	2-4	\$4,700	2039	**
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*Corrosion/Rusting, Extent : Moderate, Area Affected : 100%**Location : Throughout*

## Free Standing Walls

## Masonry: Brick

100%			2049	**
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## Site Pavements

## Public Sidewalk

## Cast in Place Concrete

100%	4+	\$200	2042	**
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Throughout*

## Parking/Driveway

## Cast in Place Concrete

100%			2042	**
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## Activity Yard

## Cast in Place Concrete

100%			2042	**
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*Cracking/Crumbling, Extent : Light, Area Affected : 5%**Location : Rear Yard*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

## Fused Disc Sw

100%			2029	\$4,900	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%			2029	\$49,900	5	\$200
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## Raceway

## Conduit

90%			2029	\$28,800	1
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## Conduit

10%			2055	**	1
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## Panelboards

## Fused Disc Sw

5%			2028	\$2,000	5
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## Molded Case Bkrs

60%			2028	\$23,600	5	\$100
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## Molded Case Bkrs

35%			2051	**	5	\$100
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## Wiring

## Thermoplastic

60%			2029	\$17,000	1
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## Thermoplastic

40%			2055	**	1
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## Motor Controllers

## Locally Mounted

100%			2027	\$14,700	5
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## Ground

## Grounding Devices

## Generic

100%			LIFE	**	5	\$200
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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. 74**  
**Asset # : 13062**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Lighting

## Interior Lighting

LED

100%

2037

\* \*

## Exterior Lighting

LED

100%

2037

\* \*

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Heating

## Energy Source

Natural Gas

100%

2055

\* \*

1

## Conversion Equipment

Steam Boiler

100%

2042

\* \*

1

\$5,900

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One Unit*

## Distribution

Central Plant Steam Piping/Pmp

100%

2039

\* \*

4

\$300

## Terminal Devices

Convactor/Radiator

100%

2034

\* \*

1

\$1,900

## Air Conditioning

## Energy Source

Electricity

100%

2045

\* \*

1

## Conversion Equipment

Split Unit

30%

2037

\* \*

Window/Wall Unit

50%

2027

\$6,000

1

No Component

20%

## Plumbing

## H/C Water Piping

Brass/Copper

100%

2029

\$42,800

1

*Not Insulated, Extent : Moderate, Area Affected : 100%**Location : Basement**No Water Meter, Extent : Light, Area Affected : 100%**Location : Basement*

## Water Heater

Gas Fired

100%

2027

\$3,500

2

\$100

*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.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 74**  
**Asset # : 13062**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Storm Drain Piping Cast Iron	100%	Now	\$2,400	LIFE	**	1	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Backs Up When It Rains Hard</i>								
	Sump Pump(s) Non-Submersible	100%	Now	\$900	2039	**	4	\$100
<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Pits With Pumps</i>								
	Backflow Preventer No Component Generic	95%			2034	**	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fire Suppression								
	Sprinkler No Component Generic	97%			2049	**	1-2	
	Chemical System Wet	10%			2027	\$2,700	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Model Kp 275 For Kitchen Hood</i>								
	No Component Generic	80%			2027	\$2,700	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 22-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 3186 **Lot** : 37 **BIN** : 2000000

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$183,600
Electrical		\$67,200
<b>Total</b>		<b>\$250,800</b>
Importance Code A		\$183,600
Importance Code B		\$67,200
<b>Total</b>		<b>\$250,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture			\$1,000	
Interior Architecture	\$49,000		\$900	
Electrical	\$3,300	\$4,600	\$2,000	\$1,600
Mechanical	\$1,400	\$1,900	\$7,100	\$1,700
<b>Total</b>	<b>\$53,700</b>	<b>\$6,500</b>	<b>\$11,000</b>	<b>\$3,300</b>
Importance Code A	\$600	\$600	\$1,600	\$600
Importance Code B	\$41,600	\$5,900	\$9,400	\$2,700
Importance Code C	\$11,500			
<b>Total</b>	<b>\$53,700</b>	<b>\$6,500</b>	<b>\$11,000</b>	<b>\$3,300</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**  
**ENGINE CO. 75 /LADDER CO. 33 /BATTALION 19**  
**Asset # : 13063**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	85%			LIFE	**	5	\$12,500	
Exposed Struc: Steel	2%			LIFE	**	5	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Located At Entry And Paved Plaza/ Roof</i>								
<i>Explanation : Steel Awnings</i>								
Metal Sect. OHD	10%			2039	**	5	\$7,300	
Pre-Cast Concrete	3%			LIFE	**	5	\$2,300	
Windows								
Aluminum	95%			2042	**	5	\$2,000	
Glass Block	5%			LIFE	**	5	\$100	
Parapets								
Concrete Masonry Unit	85%			LIFE	**	5	\$6,100	
Pre-Cast Concrete	15%			LIFE	**	5	\$6,000	
Roof								
Modified Bitumen	80%			2026		10	\$13,300	
<i>Alligatoring, Extent : Light, Area Affected : 50%</i>								
<i>Location : At Seams, Throughout Main Roof.</i>								
<i>Ponding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Center Main Roof.</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roof Adjacent To Parapets</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout Main Roof</i>								
Panel/Paver: Cer/Brk	20%			2046	**	10	\$4,400	
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$4,000	LIFE	**	5	\$16,400	
<i>Horizontal Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement And Apparatus Floor.</i>								
Ceramic Tile	15%			2035	**	5	\$2,800	
Quarry Tile	5%	Now	\$13,800	2039	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
<i>Uneven Substrate, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	40%			2031	**	3	\$2,800	
Interior Walls								
Ceramic Tile	15%			2035	**	5	\$2,900	
Concrete Masonry Unit	45%	Now	\$10,000	LIFE	**	5	\$3,500	
<i>Vertical Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations on Apparatus Floor.</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : North And East Walls Of Apparatus Floors, Stair Bulkhead.</i>								
<i>Explanation : Paint Peeling.</i>								
Gypsum Board	40%			LIFE	**	5	\$4,700	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 75 /LADDER CO. 33 /BATTALION 19**  
**Asset # : 13063**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	45%	Now	\$1,400	2039	**	5	\$4,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Laundry Room.</i>								
Exposed Concrete	55%	Now	\$17,000	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 4%</i>								
<i>Location : Roof Stair Bulkhead And Basement Below Kitchen</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 600 Ampere Service</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2046	**	5	\$100	
Raceway								
Conduit	100%			2046	**	1		
Panelboards								
Molded Case Bkrs	100%			2042	**	5	\$300	
Wiring								
Thermoplastic	100%			2046	**	1		
Motor Controllers								
Locally Mounted	100%			2039	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2031	**	1	\$3,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								
Generators								
Diesel	100%			2029	\$67,200	1	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 64 Kilowatt</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$500	
Fuel Storage								
Main Tank	100%			2041	**	5	\$400	

## Lighting

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 75 /LADDER CO. 33 /BATTALION 19**  
**Asset # : 13063**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Lighting**

Interior Lighting Fluorescent	100%			2026	\$34,700	10	\$11,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								

Egress Lighting Emergency, Service	50%			2026	\$3,100	1		
Exit, Battery	50%			2021	\$2,300	10	\$400	

Exterior Lighting HID	100%			2031	**	10		
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**Alarm**

Fire/Smoke Detection Generic, Digital	100%			2034	**	1-3	\$7,700	
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<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

Energy Source Natural Gas	100%			2046	**	1		
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Conversion Equipment Furnace	50%			2031	**	1	\$3,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 7 - Gas Fired Heating / Cooling Units</i>								

Hot Water Boiler	50%			2039	**	1	\$3,100	
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Distribution Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,500	
Hot Wtr Piping/Pump	50%			2042	**	4	\$300	

Terminal Devices Convactor/Radiator	98%			2039	**	1	\$4,000	
Unit Heater - Steam	2%			2031	**	4		

**Air Conditioning**

Energy Source Electricity	100%			2042	**	1		
------------------------------	------	--	--	------	----	---	--	--

Conversion Equipment Ext Pkg Unit - Heating/Cooling	98%			2031	**	2	\$800	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								

Split Unit	2%			2031	**			
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Distribution Ductwork/Diffusers	100%			LIFE	**	2	\$16,300	
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**Ventilation**

Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,000	
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 75 /LADDER CO. 33 /BATTALION 19**  
**Asset # : 13063**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
	Exhaust Fans							
	Roof	100%			2031	**	2	\$400
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2046	**	1	
	Water Heater							
	Gas Fired	100%			2024	\$7,300	2	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 - 75 Gallon Units</i>					
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%			2031	**	4	\$300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Duplex Unit</i>					
	Backflow Preventer							
	Generic	100%			2031	**	1	\$800
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Chemical System							
	Generic	100%			2024	\$26,700	1-3	\$3,700

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\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 11-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 1855 **Lot** : 5 **BIN** : 1055910

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$69,500
Interior Architecture		\$69,300
Electrical	\$3,200	\$31,900
<b>Total</b>	<b>\$3,200</b>	<b>\$170,700</b>
Importance Code A		\$69,500
Importance Code B	\$3,200	\$101,200
<b>Total</b>	<b>\$3,200</b>	<b>\$170,700</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$44,700		\$8,300	
Interior Architecture	\$49,800			\$800
Electrical	\$200		\$11,000	
Mechanical	\$2,300	\$600	\$41,800	\$1,100
<b>Total</b>	<b>\$97,000</b>	<b>\$600</b>	<b>\$61,100</b>	<b>\$1,900</b>
Importance Code A	\$44,700		\$8,300	
Importance Code B	\$48,000	\$600	\$52,800	\$1,900
Importance Code C	\$4,300			
<b>Total</b>	<b>\$97,000</b>	<b>\$600</b>	<b>\$61,100</b>	<b>\$1,900</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**  
**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	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$15,600	
Masonry: Granite	5%			LIFE	**	5	\$800	
Masonry: Limestone	10%			LIFE	**	5	\$1,700	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Street Facade</i>								
Wood	5%			2032	**	5	\$5,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Of Lot</i>								
<i>Explanation : Built Out Addition - Cooking Surround</i>								
Wood Overhead Doors	10%			2032	**	5	\$11,100	
Windows								
Aluminum	100%	Now	\$23,800	2052	**	5	\$300	1
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Windows Are Very Old, Corroded, Single-glazed And Inoperable. They Should Be Replaced.</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$2,400	
Masonry: Brick	80%			LIFE	**	5	\$1,200	
Roof								
Roll Roofing	100%	Now	\$20,900	2026	\$69,500	5	\$13,800	
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Debris Present, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Center Of Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Center Of Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bunk Room And Rear Stairs</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. 76/LADDER CO. 22 CO-LOCATE (PRECINCT 24)**

**Asset # : 13064**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	50%	Now	\$18,700	LIFE	**	5	\$19,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Apparatus Room</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Engine Bay Of Appartaus Room</i>								
Ceramic Tile	5%	0-2	\$900	2030	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Locker Room</i>								
Ceramic Tile	5%	Now	\$17,400	2042	**	5	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Chief, Officer And Laundry Room</i>								
<i>Explanation : Tile Beyond Useful Life</i>								
Quarry Tile	5%			2040	**	5	\$1,300	
Vinyl Tile 9" X 9"	35%	0-2	\$6,900	2027	\$69,300	3	\$2,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second Floor Corridor</i>								
<b>Interior Walls</b>								
Ceramic Tile	10%			2030	**	5	\$1,200	
Gypsum Board	10%			LIFE	**	5	\$700	
Plaster	20%	Now	\$3,800	LIFE	**	5	\$700	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rear Stair And Bunk Room</i>								
SGFT/Glazed Masonry	60%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2040	**	5	\$1,800	
Exposed Concrete	40%			LIFE	**	5	\$1,100	
Plaster	50%			LIFE	**	5	\$5,500	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Raceway</b>								
Conduit	100%			2037	**	1		
<b>Panelboards</b>								
Fused Disc Sw	10%			2035	**	5		
Molded Case Bkrs	90%			2035	**	5	\$300	
<b>Wiring</b>								
Thermoplastic	100%			2037	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2032	**	5	\$100	

**Lighting**

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 76/LADDER CO. 22 CO-LOCATE (PRECINCT 24)**  
**Asset # : 13064**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	90%			2027	\$31,900	10	\$10,600	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	9%			2022	\$3,200	10	\$1,100	
		<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
LED	1%			2035	* *			
<b>Exterior Lighting</b>								
HID	20%			2022	\$9,900	10		
No Component	80%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : The Heating Source (Hot Water) Is From Adjacent Building (Police Station)</i>						
Conversion Equipment								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : The Heating Source (Hot Water) Is From Adjacent Building (Police Station)</i>						
<b>Distribution</b>								
Hot Wtr Piping/Pump	100%			2035	* *	4	\$600	
<b>Terminal Devices</b>								
Convactor/Radiator	60%			2032	* *	1	\$2,500	
Unit Heater - Steam	40%			2027	\$17,500	4	\$500	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2035	* *	1		
Conversion Equipment								
Split Unit	10%			2032	* *			
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 1 Unit. R-410a</i>						
Window/Wall Unit	50%			2022	\$12,800	1		
No Component	40%							
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	20%			LIFE	* *	2-5	\$1,400	
No Component	80%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 76/LADDER CO. 22 CO-LOCATE (PRECINCT 24)**  
**Asset # : 13064**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
	Exhaust Fans							
	Roof	20%			2027	\$4,100	2	\$100
	Wall Unit	30%			2022	\$1,300	2	\$100
	No Component	50%						
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2037	**	1	
	Water Heater							
	Electric	100%			2025	\$10,800	4	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 1st Floor</i>				
				<i>Explanation : 2 - 120 Gallon Units</i>				
	Sanitary Piping							
	Cast Iron	100%	Now	\$1,800	LIFE	**	1	
				<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>				
				<i>Location : 1st Floor Operational Area</i>				
				<i>Explanation : The Cover Is Missing</i>				
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						
				<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>				
				<i>Location : Throughout</i>				
<b>Fire Suppression</b>								
	Chemical System							
	Generic	100%			2022	\$26,700	1-3	\$3,700

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 79  
**Address** : 2928 BRIGGS AVENUE @ E.199 ST  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.079 / 13065 **Yr Built/Renovated** : 1904 / 2009  
**Area Sq Ft** : 6,804 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 18-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 3297 **Lot** : 9 **BIN** : 2016936

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Electrical		\$81,400
Site Enclosure	\$47,800	
<b>Total</b>	<b>\$47,800</b>	<b>\$81,400</b>
Importance Code B		\$81,400
Importance Code C	\$47,800	
<b>Total</b>	<b>\$47,800</b>	<b>\$81,400</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$34,400			
Interior Architecture	\$30,100			\$800
Electrical	\$8,000	\$500	\$2,700	\$500
Mechanical	\$3,900	\$900	\$1,000	\$900
Site Pavements	\$7,100			
<b>Total</b>	<b>\$83,500</b>	<b>\$1,400</b>	<b>\$3,700</b>	<b>\$2,300</b>
Importance Code A	\$35,100	\$700	\$700	\$700
Importance Code B	\$38,100	\$700	\$3,000	\$1,500
Importance Code C	\$10,300			\$100
<b>Total</b>	<b>\$83,500</b>	<b>\$1,400</b>	<b>\$3,700</b>	<b>\$2,300</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**  
**ENGINE CO. 79**  
**Asset # : 13065**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2049	**	10	\$100	
Cast Stone/Terra Cotta	2%			LIFE	**	5	\$2,500	
Masonry: Brick	80%			LIFE	**	5	\$13,000	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Facade</i>								
<i>Explanation : Partial Cement Parge Coating Above 2nd Floor Windows</i>								
Masonry: Granite	3%			LIFE	**	5	\$400	
Wood Overhead Doors	10%			2034	**	5	\$4,100	
Windows								
Aluminum	100%	4+	\$1,700	2045	**	5	\$100	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	90%			LIFE	**	5-10	\$7,000	
Pre-Cast Concrete	10%			LIFE	**	5	\$1,400	
Roof								
Asphalt Shingle	5%			2038	**	10	\$100	
Modified Bitumen	92%	4+	\$5,800	2034	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	3%	Now	\$12,300	2039	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Main Roof</i>								
Soffits								
Wood	100%			2042	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Addition</i>								
<i>Explanation : Exposed Wood Sheathing Located Under Dining Area Building Addition</i>								

## Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 79**  
**Asset # : 13065**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$20,100	
Ceramic Tile	5%	Now	\$4,500	2038	**	5	\$200	
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor Restroom</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Over Apparatus Floor</i>								
Ceramic Tile	5%			2038	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen And Dining Areas</i>								
<i>Explanation : This Is Actually Large Format Ceramic Tile</i>								
Vinyl Tile	40%	4+	\$1,600	2034	**	3	\$1,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Second Floor</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Second Floor</i>								
Interior Walls								
Ceramic Tile	5%			2038	**	5	\$300	
Gypsum Board	5%			LIFE	**	5-10	\$400	
Masonry: Brick	40%			LIFE	**	10	\$600	
Masonry: Fieldstone	5%			LIFE	**	10	\$100	
Plaster	40%			LIFE	**	5-10	\$1,800	
Wood	5%			LIFE	**	5	\$2,100	
Ceilings								
AcousTileSusp.Lay-In	5%	4+	\$400	2042	**	5	\$200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Floor</i>								
Embossed Metal	40%			LIFE	**	5	\$3,300	
Exposed Struc: Steel	20%			LIFE	**	10	\$3,700	
Gypsum Board	15%			LIFE	**	5-10	\$4,700	
Plaster	20%			LIFE	**	5-10	\$3,200	
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	\$47,800	2039	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 79**  
**Asset # : 13065**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Site Pavements

## On-Site Walkways

Cast in Place Concrete	100%	4+	\$6,300	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Rear Yard</i>								

## Parking/Driveway

Cast in Place Concrete	100%	Now	\$800	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Driveway Apron At Front Entrance</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2039	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated At 200 Amperes</i>								

## Switchgear / Switchboard

Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
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## Raceway

Conduit	50%			2029	\$16,000	1		
Conduit	50%			2039	**	1		

## Panelboards

Molded Case Bkrs	20%			2037	**	5		
Molded Case Bkrs	80%			2028	\$31,500	5	\$100	

## Wiring

Thermoplastic	50%			2029	\$14,200	1		
Thermoplastic	50%			2039	**	1		

## Motor Controllers

Locally Mounted	100%	4+	\$1,500	2034	**	5		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Overhead Door Operator Repeatedly Fails</i>								

## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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## Stand-by Power

## Transfer Switches

Automatic	100%			2034	**	1	\$2,100	
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## Generators

Diesel	100%			2032	**	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated At 81 Kilo-volt-ampere</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 79**  
**Asset # : 13065**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power								
Batteries								
Lead/Acid	100%			2022	\$1,500	5	\$300	
Fuel Storage								
Day Tank	100%			2037	**	5	\$1,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 60 Gallon</i>								
Lighting								
Interior Lighting								
Fluorescent	88%			2029	\$16,600	10	\$5,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	2%			2029	\$400	10	\$100	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
LED	10%	Now	\$5,800	2039	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Apparatus Room</i>								
Egress Lighting								
Emergency, Service	50%			2029	\$1,700	1		
Exit, Service	50%			2029	\$400	1		
Exterior Lighting								
HID	50%			2029	\$13,100	10		
No Component	50%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2039	**	1		
Conversion Equipment								
Steam Boiler	100%			2034	**	1	\$6,700	
Distribution								
Steam Piping/Pump	100%			2039	**			
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$2,200	
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Split Unit	15%			2024	\$20,800			
Window/Wall Unit	40%			2024	\$5,400	1		
No Component	45%							
Ventilation								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 79**  
**Asset # : 13065**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
	Ductwork/Diffusers	15%		LIFE	**	2-5	\$900	
	No Component	85%						
Exhaust Fans								
	Interior	10%		2024	\$2,300	2		
	Roof	15%		2024	\$1,600	2		
	No Component	75%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%		2039	**	1		
Water Heater								
	Gas Fired	100%		2024	\$4,000	2	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 74 Gallon Units</i>							
Sanitary Piping								
	Cast Iron	100%	Now	\$2,400	LIFE	**	1	
	<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : Basement</i>							
	<i>Leak Evident, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : Basement And 1st Floor</i>							
Storm Drain Piping								
	Cast Iron	100%		LIFE	**	1		
Sump Pump(s)								
	Submersible	100%		2020	\$200	4	\$200	
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	No Component	98%						
	Generic	2%		2024	\$500	1-3	\$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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 06-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3,4  
**Block** : 1306 **Lot** : 33 **BIN** : 1036462

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$52,000	
Mechanical		\$155,000
<b>Total</b>	<b>\$52,000</b>	<b>\$155,000</b>
Importance Code A	\$52,000	
Importance Code B		\$155,000
<b>Total</b>	<b>\$52,000</b>	<b>\$155,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$10,300			
Interior Architecture	\$24,600	\$1,100		\$700
Electrical	\$800	\$600	\$9,500	\$900
Mechanical	\$4,500	\$1,900	\$31,100	\$1,900
<b>Total</b>	<b>\$40,100</b>	<b>\$3,500</b>	<b>\$40,700</b>	<b>\$3,600</b>
Importance Code A	\$10,300			
Importance Code B	\$24,500	\$2,500	\$40,700	\$3,600
Importance Code C	\$5,400	\$1,100		
<b>Total</b>	<b>\$40,100</b>	<b>\$3,500</b>	<b>\$40,700</b>	<b>\$3,600</b>



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. 8**  
**Asset # : 13007**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Granite	30%			LIFE	**	5	\$1,100	
Metal/Glass Curt Wall	35%			LIFE	**	5	\$3,200	
Metal Sect. OHD	35%			2040	**	5	\$5,300	
Windows								
Aluminum	50%	Now	\$52,000	2052	**	5	\$600	
<i>Air Infiltration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Metal Louvers	50%			2030	**	10	\$7,600	
Interior								
Floors								
Cast in Place Concrete	45%	0-2	\$7,100	LIFE	**	5	\$14,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout The Apparatus Floor</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout The Apparatus Floor</i>								
Ceramic Tile	10%	Now	\$2,900	2036	**	5	\$700	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 1st Floor Bathroom - From Floor Drain Backup</i>								
Quarry Tile	5%			2040	**	5	\$1,100	
Vinyl Tile	40%	Now	\$2,600	2032	**	3	\$2,200	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Company Office - From Abutting Property</i>								
Interior Walls								
Ceramic Tile	10%			2036	**	5	\$2,100	
Gypsum Board	30%	Now	\$5,400	LIFE	**	5	\$3,800	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Company Office - From Abutting Property</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second Floor</i>								
<i>Explanation : Unfinished Drywall At Multiple Locations</i>								
Plaster	10%			LIFE	**	5	\$600	
SGFT/Glazed Masonry	50%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	40%	2-4	\$2,100	2040	**	5	\$1,300	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Multiple Locations At The Second Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
Gypsum Board	60%	Now	\$4,000	LIFE	**	5	\$4,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Storage Room And Gymnasium</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room - From Bathroom Above</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 8**  
**Asset # : 13007**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Raceway								
Conduit	100%			2047	**	1		
Panelboards								
Fused Disc Sw	10%			2043	**	5		
Molded Case Bkrs	90%			2043	**	5	\$200	
Wiring								
Thermoplastic	100%			2047	**	1		
Motor Controllers								
Locally Mounted	100%			2040	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	98%			2032	**	10	\$8,900	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	1%			2032	**	10	\$100	
		<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
LED	1%			2032	**			
Egress Lighting								
Emergency, Service	50%			2032	**	1		
Exit, LED	50%			2055	**	1		
Exterior Lighting								
HID	10%			2027			\$100	10
No Component	90%							
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2032	**	1-3	\$6,300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : Smoke Detectors, Strobe Lights, Manual Pull Stations, Alarm Bells And Horns</i>						

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Heating Source Provided By The Building</i>						
Conversion Equipment								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Heating Source Provided By The Building</i>						

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 8**  
**Asset # : 13007**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,800	
Central Plant Steam Piping/Pmp	50%			2037	**	4	\$400	
Terminal Devices								
Air Handler	30%			2032	**	1	\$1,800	
Convactor/Radiator	40%			2032	**	1	\$1,300	
Unit Heater - Steam	30%			2027	\$10,100	4	\$300	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Split Unit	50%			2027	\$101,000			
<i>R-22 Refrigerant, Extent : Light, Area Affected : 50%</i>								
<i>Location : 4 Units, Various</i>								
Window/Wall Unit	10%			2022	\$2,000	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	50%			2027	\$54,000	1	\$1,600	
No Component	50%							
Heat Rejection								
Evaporative Condenser	50%			2027	\$8,800	2	\$3,400	
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,500	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : The Air Circulation Is Very Poor Due To The Building Setup.</i>								
Exhaust Fans								
Interior	100%			2032	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Electric	100%			2026	\$8,300	4	\$100	
Sanitary Piping								
Cast Iron	100%	Now	\$3,500	LIFE	**	1		
<i>Leak Evident, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Water Leaks From 2nd Floor Shower Room To 1st Floor Garage</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
Not Accessible	100%							
Fixtures								
Generic	100%							

## Fire Suppression

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 8**  
**Asset # : 13007**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Sprinkler							
	Generic	100%			2047	**	1-2	\$2,800
Fire Pump	Not Accessible	100%						
Chemical System	Generic	100%			2022	\$26,700	1-3	\$3,700

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 80/LADDER 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** : 13-Jul-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 2071 **Lot** : 27 **BIN** : 1075504

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$124,800	
<b>Total</b>	<b>\$124,800</b>	
Importance Code A	\$124,800	
<b>Total</b>	<b>\$124,800</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$3,600			
Interior Architecture	\$17,900	\$2,900	\$400	\$1,100
Electrical	\$900	\$900	\$2,700	\$1,700
Mechanical	\$2,900	\$1,600	\$2,900	\$2,000
<b>Total</b>	<b>\$25,400</b>	<b>\$5,400</b>	<b>\$5,900</b>	<b>\$4,800</b>
Importance Code A	\$4,700	\$1,100	\$1,100	\$1,200
Importance Code B	\$20,700	\$1,400	\$4,900	\$3,600
Importance Code C		\$2,900		
<b>Total</b>	<b>\$25,400</b>	<b>\$5,400</b>	<b>\$5,900</b>	<b>\$4,800</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 80/LADDER 23**  
**Asset # : 13066**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$89,600	LIFE	**	5	\$29,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Upper Story - Street Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade - Upper Right Corner</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade - Upper Right Corner</i>								
Masonry: Limestone	15%			LIFE	**	5	\$4,400	
Metal Sect. OHD	10%			2044	**	5	\$12,100	
Windows								
Aluminum	100%			2049	**	5	\$2,800	
Parapets								
Masonry: Brick	25%			LIFE	**	5	\$600	
Masonry: Brick	50%	Now	\$3,600	LIFE	**	5	\$1,200	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 3rd Floor Gymnasium Street Façade</i>								
Masonry: Limestone	15%			LIFE	**	5	\$500	
Pre-Cast Concrete	5%			LIFE	**	5	\$800	
Slate	5%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Coping</i>								
<i>Explanation : Material Actually Bluestone</i>								
Roof								
Modified Bitumen	97%	Now	\$35,300	2032	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Lap Joints Throughout</i>								
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Debris Present, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Central Roof</i>								
Skylight, Metal/Glass	3%			2047	**	10	\$1,300	

Interior

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 80/LADDER 23**  
**Asset # : 13066**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	37%	Now	\$12,600	LIFE	**	5	\$12,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Back Up From Floor Drains In Heavy Storms</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Floor Drains</i>								
Ceramic Tile	5%	Now	\$1,600	2030	**	5	\$400	
<i>Worn/Eroded, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Locker Rooms</i>								
Quarry Tile	3%			2032	**	5	\$700	
Vinyl Tile	55%			2032	**	3	\$4,400	
<i>Uneven Surface, Extent : Light, Area Affected : 15%</i>								
<i>Location : Second And Third Floors</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 20%</i>								
<i>Location : Second And Third Floors</i>								
<b>Interior Walls</b>								
Ceramic Tile	30%			2036	**	5	\$5,700	
Concrete Masonry Unit	10%			LIFE	**	5	\$800	
Gypsum Board	40%			LIFE	**	5	\$4,600	
Masonry: Brick	20%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	35%			2040	**	5	\$5,400	
Exposed Concrete	20%			LIFE	**	5	\$500	
Exposed Struc: Steel	20%			LIFE	**			
Gypsum Board	25%			LIFE	**	5	\$4,800	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	100%			2053	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2053	**	5	\$300	
<b>Raceway</b>								
Conduit	100%			2053	**	1		
<b>Panelboards</b>								
Fused Disc Sw	5%			2049	**	5		
Molded Case Bkrs	95%			2049	**	5	\$300	
<b>Wiring</b>								
Thermoplastic	100%			2053	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 80/LADDER 23**  
**Asset # : 13066**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
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	\$3,300	
Generators								
Diesel	100%			2040	**	1	\$4,100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 80 Kilowatt/ 100 Kva, 3 Phase, 208/120V</i>						
Batteries								
Lead/Acid	100%			2022	\$1,500	5	\$400	
Fuel Storage								
Day Tank	50%			2043	**	5	\$1,000	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 100 Gallon</i>						
Main Tank	50%			2062	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 550 Gallon</i>						
Lighting								
Interior Lighting								
Fluorescent	88%			2035	**	10	\$8,600	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	10%			2035	**	10	\$1,000	
		<i>T-5 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Gymnasium</i>						
Incandescent	2%			2035	**	2		
Egress Lighting								
Emergency, Service	60%			2035	**	1		
Exit, Service	40%			2035	**	1		
Exterior Lighting								
HID	100%			2035	**	10		
Alarm								
Fire/Smoke Detection								
No Component	80%							
Generic, Digital	20%			2035	**	1-3	\$1,400	

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 80/LADDER 23**  
**Asset # : 13066**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$10,600	
Distribution								
Central Plant Steam Piping/Pmp	100%			2047	**	4	\$500	
Terminal Devices								
Convactor/Radiator	80%			2040	**	1	\$2,800	
Unit Heater - Steam	20%			2032	**	4	\$300	
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	70%			2032	**	2	\$500	
		<i>Other Observation, Extent : Light, Area Affected : 70%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 3 Units. R - 410 A Refrigerant</i>						
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,900	
Exhaust Fans								
Roof	100%			2032	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Gas Fired	100%			2025	\$6,200	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$1,100	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Severe, Area Affected : 15%</i>						
		<i>Location : Operational Area And Rear Side Of Basement.</i>						
Sump Pump(s)								
Non-Submersible	100%			2027	\$1,600	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								

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\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 80/LADDER 23**  
**Asset # : 13066**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Chemical System							
	Generic	100%			2025	\$26,700	1-3	\$3,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Kitchen</i> <i>Explanation : 1 Set</i>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
 Estimates are rounded to the nearest hundred dollars.  
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
 \*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 81/LADDER CO. 46  
**Address** : 3025 BAILEY AVENUE  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.081 / 13067 **Yr Built/Renovated** : 1912 / 2007  
**Area Sq Ft** : 9,500 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 22-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 3266 **Lot** : 1 **BIN** : 2000000

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Site Pavements		\$39,600
<b>Total</b>		<b>\$39,600</b>
Importance Code C		\$39,600
<b>Total</b>		<b>\$39,600</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$46,100		\$3,800	
Interior Architecture	\$45,700		\$2,000	\$800
Electrical	\$2,100	\$800	\$900	\$2,400
Mechanical	\$6,100	\$1,000	\$1,100	\$800
Site Enclosure	\$11,600			
Site Pavements	\$12,400			
<b>Total</b>	<b>\$124,100</b>	<b>\$1,800</b>	<b>\$7,900</b>	<b>\$3,900</b>
Importance Code A	\$46,500	\$500	\$4,300	\$500
Importance Code B	\$56,900	\$1,300	\$3,600	\$3,000
Importance Code C	\$20,600			\$400
<b>Total</b>	<b>\$124,100</b>	<b>\$1,800</b>	<b>\$7,900</b>	<b>\$3,900</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**  
**ENGINE CO. 81/LADDER CO. 46**  
**Asset # : 13067**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	3%	4+	\$700	2049	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Addition At Rear Of Building</i>								
Masonry: Brick	75%			LIFE	**	5	\$51,700	
Masonry: Granite	3%			LIFE	**	5	\$1,600	
Masonry: Limestone	10%			LIFE	**	5	\$5,200	
Metal Sect. OHD	7%			2042	**	5	\$7,500	
Stucco Cement	2%	Now	\$6,100	2042	**	5	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Addition At Rear Of Building</i>								
Windows								
Aluminum	99%			2045	**	5	\$900	
Metal Louvers	1%			2032	**	10	\$100	
Parapets								
Masonry: Brick	90%	4+	\$3,200	LIFE	**	5	\$2,800	
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 5%</i>								
<i>Location : West Side Of Main Roof</i>								
Masonry: Limestone	10%			LIFE	**	5-10	\$3,700	
Roof								
Asphalt Shingle	5%			2038	**	10	\$100	
Modified Bitumen	90%	4+	\$3,000	2034	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Roof Hatch Base Flashing</i>								
Skylight, Metal/Glass	5%			2049	**	10	\$2,000	
Soffits								
Wood	100%			2034	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Exposed Underside Of Roof Over Barbecue Grille</i>								
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$37,300	
Ceramic Tile	5%			2038	**	5	\$700	
Quarry Tile	5%			2042	**	5	\$1,100	
Vinyl Tile	25%			2034	**	3	\$1,300	
Wood	5%			2057	**	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. 81/LADDER CO. 46**  
**Asset # : 13067**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	5%			2038	**	5	\$900	
Concrete Masonry Unit	3%			LIFE	**	5	\$400	
Gypsum Board	10%			LIFE	**	5-10	\$2,900	
Masonry: Brick	10%	4+	\$1,400	LIFE	**			
<i>Vertical Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Apparatus Room Partition Wall Between Bays</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Unglazed Face Brick</i>								
Masonry: Brick	32%	4+	\$4,400	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement At Front Wall</i>								
Plaster	40%	4+	\$1,100	LIFE	**	5	\$2,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Roof Hatch Area</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%			2042	**	5	\$700	
Exposed Struc: Steel	25%			LIFE	**	10	\$7,100	
Plaster	70%			LIFE	**	5-10	\$17,100	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2039	**			
<b>Free Standing Walls</b>								
Masonry: Brick	100%	Now	\$11,600	2039	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<b>Retaining Walls</b>								
Masonry: Brick	100%			2039	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%	Now	\$12,400	2034	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Entrance To Parking Area And Northeast Corner Of Property</i>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2034	**			
<b>Parking/Driveway</b>								
Asphalt	70%			2025	\$39,600			
Cast in Place Concrete	30%			2042	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

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. 81/LADDER CO. 46**  
**Asset # : 13067**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
	Service Equipment							
	Fused Disc Sw	100%			2049	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 400 Ampere</i>					
	Switchgear / Switchboard							
	Molded Case Bkrs	100%			2049	**	5	\$300
	Raceway							
	Conduit	100%			2049	**	1	
	Panelboards							
	Molded Case Bkrs	100%			2045	**	5	\$300
	Wiring							
	Thermoplastic	50%			2049	**	1	
	Thermoplastic	50%			2039	**	1	
	Motor Controllers							
	Locally Mounted	50%			2042	**	5	
	Locally Mounted	50%			2027	\$7,300	5	
			<i>Aged Component, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor Roll-Up Gate</i>					
<b>Ground</b>								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Ground Rods</i>					
<b>Stand-by Power</b>								
	Transfer Switches							
	Automatic	100%			2042	**	1	\$2,900
	Generators							
	Diesel	100%			2038	**	1	\$3,700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : 200 Kilowatt</i>					
	Batteries							
	Lead/Acid	100%			2023	\$1,500	5	\$400
	Fuel Storage							
	Day Tank	100%			2045	**	5	\$1,800
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : 125 Gallon</i>					
<b>Lighting</b>								
	Interior Lighting							
	Fluorescent	98%			2034	**	10	\$8,500
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
	Incandescent	2%			2029	\$1,200	2	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 81/LADDER CO. 46**  
**Asset # : 13067**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Lighting**

## Egress Lighting

Emergency, Service

50%

2034

\* \*

1

Exit, Service

50%

2034

\* \*

1

## Exterior Lighting

HID

50%

2029

\$18,300

10

No Component

50%

**Alarm**

## Fire/Smoke Detection

No Component

70%

Generic, Analog

30%

2034

\* \*

1-3

\$1,800

*Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : 2nd Floor***Mechanical**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

## Energy Source

Natural Gas

100%

2039

\* \*

1

## Conversion Equipment

Hot Water Boiler

100%

2042

\* \*

1

\$4,700

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 2 Boilers*

## Distribution

Hot Wtr Piping/Pump

100%

2037

\* \*

4

\$700

## Terminal Devices

Convactor/Radiator

80%

2034

\* \*

1

\$2,500

Unit Heater - Hot Water

20%

2034

\* \*

**Air Conditioning**

## Energy Source

Electricity

100%

2045

\* \*

1

## Conversion Equipment

Split Unit

5%

2034

\* \*

Window/Wall Unit

75%

2024

\$14,200

1

No Component

20%

**Ventilation**

## Distribution

Ductwork/Diffusers

10%

LIFE

\* \*

2-5

\$800

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Includes Make-Up Air For Boiler*

No Component

90%

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 81/LADDER CO. 46**  
**Asset # : 13067**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
	Exhaust Fans							
	Interior	50%			2029	\$16,200	2	\$100
	Roof	20%	Now	\$900	2029	\$3,000	2	
		<i>Broken, Extent : Moderate, Area Affected : 30%</i>						
		<i>Location : Roof Kitchen Exhaust Fan</i>						
	No Component	30%						
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2049	**	1	
	Water Heater							
	Gas Fired	50%			2027	\$2,800	2	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 75 Gallon Unit</i>						
	Gas Fired	50%	Now	\$2,800	2029	\$2,800	2	\$100
		<i>Abandoned in Place, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
	Sanitary Piping							
	Cast Iron	100%	Now	\$1,300	LIFE	**	1	
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : 1st Floor Slop Sink Engine Side</i>						
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2022	\$300	4	\$300
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Chemical System							
	No Component	98%						
	Generic	2%			2024	\$500	1-3	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Kitchen Hood</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$82,400	\$199,100
<b>Total</b>	<b>\$82,400</b>	<b>\$199,100</b>
Importance Code A	\$82,400	\$199,100
<b>Total</b>	<b>\$82,400</b>	<b>\$199,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$121,700		\$12,500	
Interior Architecture	\$66,000		\$700	
Electrical	\$31,700		\$100	
Mechanical	\$12,400	\$1,200	\$2,200	\$1,200
Site Pavements	\$400			
<b>Total</b>	<b>\$232,300</b>	<b>\$1,200</b>	<b>\$15,600</b>	<b>\$1,200</b>
Importance Code A	\$122,600	\$900	\$13,400	\$900
Importance Code B	\$87,300	\$300	\$2,100	\$300
Importance Code C	\$22,300			
<b>Total</b>	<b>\$232,300</b>	<b>\$1,200</b>	<b>\$15,600</b>	<b>\$1,200</b>



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
 \*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 82/LADDER CO. 31**  
**Asset # : 13068**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$26,100	
Masonry: Brick	80%	Now	\$82,400	LIFE	**	5	\$26,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Rear Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Right Side Near Front</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Facade And Side Facade At Flat Roof</i>								
<i>Sidewalk Shed in Use, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Entrance Facade</i>								
Wood Overhead Doors	15%			2027	\$162,000	5	\$25,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Left Door - 3 Glass Panes Replaced With Plywood</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Both Doors</i>								
Windows								
Aluminum	100%	Now	\$29,400	2045	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Office And 3rd Floor Rear</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	5%	0-2	\$4,800	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof Parapet</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof Parapet</i>								
Masonry: Brick	85%	Now	\$24,500	LIFE	**	5	\$2,100	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Main Roof</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Main Roof, Front Parapets Next To Tile Roof</i>								
<i>Spalling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
Masonry: Limestone	10%			LIFE	**	5-10	\$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.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 82/LADDER CO. 31**  
**Asset # : 13068**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	5%	Now	\$400	2032	**			
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Top Of Shed Roof</i>								
Clay Tile	20%	Now	\$15,600	2039	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Main Sloped Roof At Front Of Building</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout, Particularly At 2nd Floor Front</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Front Of Building</i>								
<i>Explanation : Gutters Failing, Causing Extensive Interior Damage</i>								
Roll Roofing	72%	Now	\$3,700	2025	\$37,000	5	\$7,300	
<i>Seams Open/Split, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	3%	2-4	\$27,600	2039	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$13,400	LIFE	**	5	\$13,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Basement And Apparatus Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Near Front</i>								
Ceramic Tile	15%	Now	\$8,300	2038	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	40%			2034	**	3	\$2,100	
Interior Walls								
Ceramic Tile	5%	Now	\$400	2038	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Gypsum Board	10%			LIFE	**	5-10	\$2,700	
Masonry: Brick	40%			LIFE	**	10	\$1,900	
Masonry: Fieldstone	10%	Now	\$10,800	LIFE	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Penetration</i>								
Plaster	30%	Now	\$3,900	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Front And 2nd Floor Hose Tower</i>								
Wood	5%			LIFE	**	5	\$6,300	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 82/LADDER CO. 31**  
**Asset # : 13068**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$5,200	2034	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor And Kitchen</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor, 3rd Floor Front And Kitchen</i>								
Embossed Metal	20%	Now	\$5,000	LIFE	**	5	\$1,300	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Weight Room</i>								
Exposed Struc: Steel	30%			LIFE	**	10	\$8,400	
Metal Panel	5%			LIFE	**	5	\$1,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Shower Room</i>								
<i>Explanation : Metal Lay-In Panels</i>								
Plaster	30%	2-4	\$2,800	LIFE	**	5	\$2,600	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Locker Room And Hose Tower Scuttle</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2039	**			
Retaining Walls								
Concrete Masonry Unit	60%			2049	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Masonry Unit Sits Upon Brick Base; Chain Link Fence Is Fastened To Concrete Masonry Unit</i>								
Masonry: Brick	40%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	**			
On-Site Walkways								
Cast in Place Concrete	100%			2034	**			
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$400	2034	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : At Curb Cut</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : At Curb Cut</i>								
Activity Yard								
Cast in Place Concrete	100%			2034	**			

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 82/LADDER CO. 31**  
**Asset # : 13068**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
	Service Equipment							
	Fused Disc Sw	100%			2029	\$4,900	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Electrical Section</i>					
			<i>Explanation : 400 Ampere</i>					
	Switchgear / Switchboard							
	Molded Case Bkrs	100%			2039	**	5	\$200
	Raceway							
	Conduit	100%			2039	**	1	
	Panelboards							
	Molded Case Bkrs	30%	0-2	\$11,800	2054	**	5	
			<i>Enclosure Corroded, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement Electrical Section</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement Electrical Section Near Service Switch</i>					
			<i>Explanation : Water Damage</i>					
	Molded Case Bkrs	70%			2037	**	5	\$200
	Wiring							
	Braided Cloth	30%	2-4	\$8,500	2054	**	1	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : Insulation Aged And Brittle.</i>					
	Thermoplastic	70%			2049	**	1	
	Motor Controllers							
	Locally Mounted	100%			2034	**	5	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Boiler Section</i>					
			<i>Explanation : Motor Controllers For Heating System.</i>					
	<b>Ground</b>							
	Grounding Devices							
	Generic	100%	2-4	\$9,700	LIFE	**	5	\$100
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement Near Water Main</i>					
			<i>Explanation : Ground Wire Rusted And Corroded.</i>					
	<b>Lighting</b>							
	Interior Lighting							
	Fluorescent	95%			2029	\$23,600	10	\$7,800
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
	Incandescent	5%			2024	\$2,900	2	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Television Room 1st Floor</i>					
			<i>Explanation : Downlights</i>					

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 82/LADDER CO. 31**  
**Asset # : 13068**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Egress Lighting								
Exit, Battery	50%			2029	\$1,700	10	\$300	
Exit, Battery	50%	Now	\$1,700	2039	**			
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Broken</i>								
<hr/>								
Exterior Lighting								
HID	25%			2029	\$8,600	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Explanation : Wall Mounted, Controlled Via Time Clock</i>								
<hr/>								
Incandescent	25%			2024	\$7,300	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Wall Mounted</i>								
<hr/>								
No Component	50%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2049	**	1		
<hr/>								
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$8,900	
<hr/>								
Distribution								
Steam Piping/Pump	100%	Now	\$1,900	2039	**			
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Near Front Of Building</i>								
<hr/>								
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$2,900	
<hr/>								
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2045	**	1		
<hr/>								
Conversion Equipment								
Window/Wall Unit	80%			2024	\$14,300	1		
No Component	20%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Roof</i>								
<i>Explanation : Exterior Package Unit Abandoned In Place</i>								
<hr/>								
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,900	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 82/LADDER CO. 31**  
**Asset # : 13068**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ventilation</b>								
	Exhaust Fans							
	Interior	50%			2029	\$15,300	2	\$100
	Roof	50%			2024	\$7,100	2	\$100
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2039	**	1	
	Water Heater							
	Gas Fired	100%			2024	\$5,200	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Two 74 Gallon Units</i>				
	Sanitary Piping							
	Cast Iron	100%	Now	\$6,300	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Severe, Area Affected : 50%</i>				
				<i>Location : 1st Floor Drains Have Sewage Backflow</i>				
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2022	\$300	4	\$300
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2037	**	1	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Serves Boiler Only</i>				
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Chemical System							
	No Component	98%						
	Generic	2%			2027	\$500	1-3	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : Kitchen Hood</i>				

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 83  
**Address** : 618 EAST 138th STREET  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.083 / 13069 **Yr Built/Renovated** : 1905 / 2000  
**Area Sq Ft** : 6,578 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 18-Jun-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 2550 **Lot** : 28 **BIN** : 2003609

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$206,900	\$161,900
Interior Architecture	\$40,300	
Electrical		\$42,900
Mechanical	\$36,600	\$51,100
<b>Total</b>	<b>\$283,800</b>	<b>\$255,900</b>
Importance Code A	\$206,900	\$161,900
Importance Code B	\$76,900	\$94,000
<b>Total</b>	<b>\$283,800</b>	<b>\$255,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$40,900			
Interior Architecture	\$88,500		\$1,100	
Electrical	\$10,600			\$100
Mechanical	\$2,000	\$900	\$900	\$900
<b>Total</b>	<b>\$141,900</b>	<b>\$900</b>	<b>\$2,000</b>	<b>\$1,000</b>
Importance Code A	\$41,500	\$700	\$700	\$700
Importance Code B	\$52,700	\$200	\$1,400	\$300
Importance Code C	\$47,800			
<b>Total</b>	<b>\$141,900</b>	<b>\$900</b>	<b>\$2,000</b>	<b>\$1,000</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 83**  
**Asset # : 13069**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$18,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	73%	Now	\$114,100	LIFE	**	5	\$17,000	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : West Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North Facade</i>								
Masonry: Granite	2%			LIFE	**	5	\$700	
Masonry: Limestone	10%			LIFE	**	5	\$3,500	
Wood Overhead Doors	10%			2034	**	5	\$11,600	
Windows								
Aluminum	100%	Now	\$15,500	2037	**	5	\$600	
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5-10	\$3,200	
Masonry: Brick	80%			LIFE	**	5-10	\$12,400	
Masonry: Limestone	5%			LIFE	**	5-10	\$1,400	
Stucco Cement	10%			2034	**	5	\$600	
Roof								
Modified Bitumen	95%			2029	\$161,900	10	\$10,700	
<i>Debris Present, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Over Kitchen</i>								
Skylight, Metal/Glass	5%	Now	\$92,800	2059	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Glazing Clouded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$24,600	
Ceramic Tile	5%	Now	\$2,400	2038	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bathrooms</i>								
Quarry Tile	5%			2034	**	5	\$800	
Vinyl Tile	40%			2034	**	3	\$1,700	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 83**  
**Asset # : 13069**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	20%	Now	\$9,500	2032	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
Masonry: Brick	25%	Now	\$33,600	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	55%			LIFE	**	5-10	\$7,200	
Ceilings								
AcousTileSusp.Lay-In	10%			2042	**	5	\$1,100	
Embossed Metal	30%	Now	\$19,800	LIFE	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Concrete	20%	Now	\$40,300	LIFE	**	5	\$400	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Steel Beams In Basement</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Support Columns In Use</i>								
<i>Explanation : 30</i>								
Gypsum Board	10%			LIFE	**	5-10	\$3,900	
Plaster	30%			LIFE	**	5-10	\$5,800	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2039	**			
Free Standing Walls								
Concrete Masonry Unit	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	**			
Parking/Driveway								
Asphalt	60%			2032	**			
Cast in Place Concrete	40%			2034	**			

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 83**  
**Asset # : 13069**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2029	\$5,400	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Rated At 200 Amperes</i>								
Raceway								
Conduit	100%			2029	\$34,900	1		
Panelboards								
Molded Case Bkrs	100%			2028	\$42,900	5	\$200	
Wiring								
Thermoplastic	100%			2029	\$30,900	1		
<b>Ground</b>								
Grounding Devices								
Generic	100%	4+	\$10,600	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Near Water Main Service.</i>								
<i>Explanation : Corroded</i>								
<b>Lighting</b>								
Interior Lighting								
Fluorescent	100%			2034	**	10	\$6,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Exterior Lighting								
HID	20%			2029	\$5,500	10		
No Component	80%							
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$6,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Natural Gas Fired Steam Boiler</i>								
Distribution								
Steam Piping/Pump	100%			2039	**			
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$2,100	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2037	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 83**  
**Asset # : 13069**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Split Unit	25%	Now	\$36,600	2039	**			
<i>Abandoned in Place, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Roof And 2nd Floor</i>								
Split Unit	10%			2034	**			
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Kitchen</i>								
Window/Wall Unit	40%			2024	\$5,700	1		
No Component	25%							
Ventilation								
Exhaust Fans								
Roof	100%	Now	\$1,100	2034	**	2	\$200	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Toilet Rooms</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2029	\$51,100	1		
Water Heater								
Gas Fired	100%			2027	\$4,200	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	98%							
Generic	2%			2024	\$600	1-3	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 17-Jun-2015                      **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 2120                      **Lot** : 46                      **BIN** : 1062872

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$45,400	
<b>Total</b>	<b>\$45,400</b>	
Importance Code A	\$45,400	
<b>Total</b>	<b>\$45,400</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$12,200	\$14,200	\$200	
Interior Architecture	\$42,200	\$900		\$1,000
Electrical	\$34,300	\$1,700		
Mechanical	\$2,500	\$30,300	\$3,600	\$2,000
<b>Total</b>	<b>\$91,300</b>	<b>\$47,100</b>	<b>\$3,800</b>	<b>\$2,900</b>
Importance Code A	\$13,400	\$15,400	\$1,300	\$1,200
Importance Code B	\$74,000	\$31,700	\$2,500	\$1,800
Importance Code C	\$3,800			
<b>Total</b>	<b>\$91,300</b>	<b>\$47,100</b>	<b>\$3,800</b>	<b>\$2,900</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**  
**ENGINE CO. 84**  
**Asset # : 13070**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	65%			LIFE	**	5	\$8,700	
Masonry: Limestone	25%	Now	\$45,400	LIFE	**	5	\$2,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Adjacent To Overhead Doors</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Street Facade</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Facade At 1st Floor</i>								
Wood Overhead Doors	10%	Now	\$4,700	2031	**	5	\$3,400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Access Door Hardware</i>								
<i>Deteriorated Finish, Extent : Light, Area Affected : 15%</i>								
<i>Location : Base Of Doors</i>								
Windows								
Aluminum	100%			2042	**	5	\$300	
Parapets								
Masonry: Brick	60%			LIFE	**	5	\$1,000	
Metal Cornice	25%			2061	**	10	\$1,400	
Stucco Cement	15%	Now	\$7,500	2046	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Located Behind Front Facade</i>								
Roof								
Modified Bitumen	90%			2031	**	10	\$12,800	
<i>Blisters, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	10%			2046	**	10	\$4,700	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$5,700	LIFE	**	5	\$21,500	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Epoxy Paint Finish At Apparatus Floor</i>								
Ceramic Tile	5%	Now	\$400	2035	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : First Floor Bathroom</i>								
Vinyl Tile	40%	Now	\$1,500	2031	**	3	\$2,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor</i>								
Wood	5%			2041	**	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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Interior

## Interior Walls

Ceramic Tile	5%			2035	**	5	\$900	
Masonry: Brick	20%			LIFE	**			
Plaster	40%	Now	\$3,400	LIFE	**	5	\$2,300	

*Cracking/Crumbling, Extent : Moderate, Area Affected : 15%*

*Location : Hose Drying Rack/ Bulkhead At Roof Level*

SGFT/Glazed Masonry	35%			LIFE	**			
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## Ceilings

AcousTileSusp.Lay-In	5%			2039	**	5	\$1,000	
Embossed Metal	30%			LIFE	**	5	\$2,700	
Exposed Concrete	20%	Now	\$28,200	LIFE	**	5	\$600	

*Cracking/Crumbling, Extent : Moderate, Area Affected : 30%*

*Location : Basement*

Plaster	45%	Now	\$2,600	LIFE	**	5	\$5,500	
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*Paint Peeling, Extent : Light, Area Affected : 10%*

*Location : Throughout Third Floor*

*Water Penetration, Extent : Light, Area Affected : 5%*

*Location : 3rd Floor Gymnasium*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2026	\$5,400	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Basement*

*Explanation : 200 Amperes*

## Raceway

Conduit	100%			2036	**	1		
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## Panelboards

Molded Case Bkrs	20%			2042	**	5	\$100	
Molded Case Bkrs	80%	0-2	\$34,300	2051	**	5	\$100	

*On Extended Life, Extent : Light, Area Affected : 100%*

*Location : Throughout The Building*

## Wiring

Thermoplastic	100%			2036	**	1		
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## Motor Controllers

Locally Mounted	100%			2024	\$16,000	5	\$100	
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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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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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 84**  
**Asset # : 13070**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Lighting								
Interior Lighting Fluorescent	78%			2026	\$27,800	10	\$8,400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	2%			2021	\$1,700	2		
LED	20%			2034	**			
Exterior Lighting								
HID	100%			2031	**	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source Natural Gas	100%			2046	**	1		
Conversion Equipment Steam Boiler	100%			2039	**	1	\$11,700	
Distribution Central Plant Steam Piping/Pmp	100%			2036	**	4	\$900	
Terminal Devices Convactor/Radiator	100%			2031	**	1	\$3,800	
Air Conditioning								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment Exterior Pkg Unit - Cooling	20%			2031	**	2	\$100	
Window/Wall Unit	80%			2021	\$20,500	1		
Distribution Ductwork/Diffusers No Component	20%			LIFE	**	2	\$3,100	
	80%							
Ventilation								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,600	
Exhaust Fans								
Roof	20%			2026	\$4,100	2	\$100	
Wall Unit	80%			2026	\$3,500	2	\$300	
Plumbing								
H/C Water Piping Brass/Copper	100%			2046	**	1		
Water Heater Gas Fired	100%			2021	\$7,500	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 84**  
**Asset # : 13070**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Sanitary Piping							
	Cast Iron	50%			LIFE	**	1	
	Cast Iron	50%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	50%			2020	\$200	4	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves 1 Side Of Basement Only</i>					
	No Component	50%						
	Backflow Preventer							
	Generic	100%			2031	**	1	\$700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Piped From Basement Up To 1st Floor</i>					
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Chemical System							
	Generic	100%			2024	\$29,100	1-3	\$3,700

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 19-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 3086 **Lot** : 38 **BIN** : 2086781

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$174,900
Interior Architecture	\$154,800	
Electrical		\$118,100
<b>Total</b>	<b>\$154,800</b>	<b>\$293,000</b>
Importance Code A		\$174,900
Importance Code B	\$154,800	\$118,100
<b>Total</b>	<b>\$154,800</b>	<b>\$293,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$30,200		\$1,800	
Interior Architecture	\$44,000	\$1,900		\$400
Electrical	\$12,500	\$200	\$100	
Mechanical	\$2,800	\$18,600	\$2,900	\$2,000
<b>Total</b>	<b>\$89,400</b>	<b>\$20,700</b>	<b>\$4,700</b>	<b>\$2,300</b>
Importance Code A	\$31,400	\$1,200	\$3,000	\$1,200
Importance Code B	\$50,000	\$19,400	\$1,800	\$1,100
Importance Code C	\$8,100			
<b>Total</b>	<b>\$89,400</b>	<b>\$20,700</b>	<b>\$4,700</b>	<b>\$2,300</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**  
**ENGINE CO. 88**  
**Asset # : 13071**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$30,500	
Masonry: Granite	3%			LIFE	**	5	\$900	
Masonry: Limestone	10%			LIFE	**	5	\$2,900	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade, 3rd Floor.</i>								
Metal Sect. OHD	7%			2039	**	5	\$8,300	
Windows								
Aluminum	100%			2042	**	5	\$3,500	
Parapets								
Masonry: Brick	80%	Now	\$28,200	LIFE	**	5	\$2,400	
<i>Spalling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Main Roof</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
Masonry: Limestone	20%			LIFE	**	5	\$800	
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout.</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Roof								
Asphalt Shingle	10%			2029			\$200	
Built-Up (BUR)	20%	Now	\$1,900	2026			\$38,900	
<i>Debris on Roof, Extent : Light, Area Affected : 2%</i>								
<i>Location : Main Roof.</i>								
<i>Miss/Damaged Flashings, Extent : Light, Area Affected : 5%</i>								
<i>Location : Main Roof Bulkhead Door Saddle</i>								
Modified Bitumen	70%			2026		10	\$9,800	
<i>Alligatoring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Seams.</i>								
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$24,000	LIFE	**	5	\$16,500	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor.</i>								
Ceramic Tile	15%			2035	**	5	\$2,800	
Vinyl Tile	15%			2026		3	\$1,400	
Wood	30%			2054	**	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**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	10%			2035	**	5	\$3,200	
Gypsum Board	15%			LIFE	**	5	\$2,800	
Masonry: Brick	20%			LIFE	**			
Marble Panels	20%			LIFE	**			
Plaster	25%	Now	\$6,500	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
SGFT/Glazed Masonry	10%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	20%			2031	**	5	\$3,800	
Embossed Metal	30%	Now	\$10,100	LIFE	**	5	\$2,500	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus</i>								
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Apparatus Floor And Hose Tower</i>								
Exposed Concrete	25%	Now	\$154,800	LIFE	**	5	\$700	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Concrete Missing, Exposing Beams In Basement Ceiling, Shoring Erected Throughout.</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Basement.</i>								
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement Ceiling Under Jack Hoists</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement.</i>								
<i>Explanation : Structurally Insufficient</i>								
Plaster	25%			LIFE	**	5	\$2,900	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2026	\$4,900	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 100 Amperes Service Switch</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2026	\$49,900	5	\$300	
<b>Raceway</b>								
Conduit	100%			2026	\$32,000	1		
<b>Panelboards</b>								
Molded Case Bkrs	50%			2042	**	5	\$200	
Molded Case Bkrs	50%			2025	\$19,700	5	\$200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 88**  
**Asset # : 13071**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2026	\$28,300	1		
Ground								
Grounding Devices								
Generic	100%	Now	\$1,900	LIFE		**	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Ground Wire Not Connected To Water Pipe.</i>								
Lighting								
Interior Lighting								
Fluorescent	70%			2026	\$24,400	10		\$8,100
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	30%	0-2	\$10,500	2036		**		
<i>Inadequate Lighting Level, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Exterior Lighting								
HID	100%			2026	\$48,600	10		
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2046		**	1	
Conversion Equipment								
Furnace	5%			2031		**	1	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Engine Bays</i>								
<i>Explanation : 2 - Gas Fired Unit Heaters</i>								
Steam Boiler	95%			2039		**	1	\$11,900
Distribution								
Central Plant Steam Piping/Pmp	100%			2036		**	4	\$900
Terminal Devices								
Convactor/Radiator	100%			2031		**	1	\$4,100
Air Conditioning								
Energy Source								
Electricity	100%			2042		**	1	
Conversion Equipment								
Split Unit	20%			2031		**		
Window/Wall Unit	65%			2021	\$16,300	1		
No Component	15%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE		**	2-5	\$7,000

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 88**  
**Asset # : 13071**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Ventilation								
	Exhaust Fans							
	Interior	100%			2031	**	2	\$400
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2046	**	1	
	Water Heater							
	Gas Fired	100%			2024	\$7,300	2	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 - 75 Gallon Unit</i>					
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2020	\$400	4	\$400
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2024	\$26,700	1-3	\$3,700

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 89 / LADDER CO. 50  
**Address** : 2924 BRUCKNER BOULEVARD BTWN E. TREMONT AVE - EDISON AVE  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.089 / 13072 **Yr Built/Renovated** : 1926 /  
**Area Sq Ft** : 4,930 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 06-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5419 **Lot** : 125 **BIN** : 2076433

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Electrical		\$37,400
<b>Total</b>		<b>\$37,400</b>
Importance Code B		\$37,400
<b>Total</b>		<b>\$37,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$29,800		\$2,300	
Interior Architecture	\$50,000		\$700	
Electrical	\$100			\$100
Mechanical	\$21,000	\$700	\$8,200	\$800
Site Pavements	\$3,600			
<b>Total</b>	<b>\$104,500</b>	<b>\$700</b>	<b>\$11,200</b>	<b>\$900</b>
Importance Code A	\$31,300	\$500	\$2,800	\$500
Importance Code B	\$43,400	\$200	\$8,400	\$400
Importance Code C	\$29,800			
<b>Total</b>	<b>\$104,500</b>	<b>\$700</b>	<b>\$11,200</b>	<b>\$900</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**  
**ENGINE CO. 89 / LADDER CO. 50**  
**Asset # : 13072**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	2%			2049	**	10	\$100	
Masonry: Brick	80%	Now	\$9,100	LIFE	**	5	\$14,700	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : East And West Side</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : West Side</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,400	
Masonry: Limestone	5%			LIFE	**	5	\$1,400	
Metal Sect. OHD	8%			2042	**	5	\$4,600	
Windows								
Aluminum	95%	Now	\$1,900	2045	**	5	\$200	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Louvers	5%	Now	\$700	2044	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : West Side</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : West Side</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5-10	\$7,200	
Masonry: Brick	75%	4+	\$2,800	LIFE	**	5	\$1,000	
<i>Diagonal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : North And West Side</i>								
Masonry: Limestone	5%			LIFE	**	5-10	\$800	
Roof								
Built-Up (BUR)	98%	Now	\$5,500	2034	**			
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Towards North End</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	2%	Now	\$2,500	2049	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</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. 89 / LADDER CO. 50**  
**Asset # : 13072**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	85%	Now	\$3,900	LIFE	**	5	\$16,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement At New Columns</i>								
Ceramic Tile	5%	0-2	\$200	2038	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	5%			2034	**	3	\$200	
Wood	5%			2057	**	5	\$800	
Interior Walls								
Cast in Place Concrete	20%	0-2	\$12,800	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Gypsum Board	10%	0-2	\$100	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Marble Panels	5%			LIFE	**	10	\$200	
Plaster	35%	Now	\$1,400	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof Access</i>								
SGFT/Glazed Masonry	30%	2-4	\$11,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2042	**	5	\$400	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	5%	0-2	\$300	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Exposed Struc: Steel	25%			LIFE	**	10	\$4,300	
Plaster	65%	0-2	\$15,100	LIFE	**	5	\$3,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
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\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 89 / LADDER CO. 50**  
**Asset # : 13072**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Site Pavements

## On-Site Walkways

Cast in Place Concrete	100%	0-2	\$3,600	2042	**			
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*Cracking/Crumbling, Extent : Light, Area Affected : 20%*  
*Location : Throughout*

## Parking/Driveway

Cast in Place Concrete	100%			2042	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 20%*  
*Location : Throughout*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2029	\$4,900	5		
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*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Basement*  
*Explanation : One 200 Ampere Main Disconnect Switch*

## Raceway

Conduit	100%			2029	\$32,000	1		
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## Panelboards

Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	95%			2028	\$37,400	5	\$100	

## Wiring

Thermoplastic	100%			2029	\$28,300	1		
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## Motor Controllers

Locally Mounted	100%			2027	\$14,700	5		
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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## Lighting

## Interior Lighting

Fluorescent	100%			2029	\$13,700	10	\$4,500	
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*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Throughout The Building*  
*Explanation : T-8 Lamps*

## Exterior Lighting

HID	100%			2024	\$19,000	10		
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Heating

## Energy Source

Natural Gas	100%			2049	**	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. 89 / LADDER CO. 50**  
**Asset # : 13072**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Steam Boiler	100%	Now	\$1,500	2034	**	1	\$4,400	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Boiler</i>								
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution Central Plant Steam Piping/Pmp	100%	Now	\$16,000	2049	**	4	\$200	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Terminal Devices Convactor/Radiator	100%	Now	\$500	2034	**	1	\$1,400	
<i>Leak Evident, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Storage Room, Locker Room</i>								
Air Conditioning								
Energy Source Electricity	100%			2051	**	1		
Conversion Equipment Window/Wall Unit	75%			2022		1	\$7,400	
No Component	25%							
Ventilation								
Exhaust Fans Interior	100%			2029		2	\$16,800	\$200
Plumbing								
H/C Water Piping Galvanized Steel	100%			2034	**	1		
Water Heater Gas Fired	100%	Now	\$100	2024	\$2,900	2	\$100	
<i>Malfunctioning, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%	Now	\$200	LIFE	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement</i>								
<i>Explanation : Backs Up With A Heavy Rain</i>								
Sump Pump(s) Submersible	100%			2022	\$200	4	\$200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 89 / LADDER CO. 50**  
**Asset # : 13072**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Fixtures							
	Generic	100%						
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fire Suppression								
	Chemical System							
	Dry	10%	Now	\$2,700	2029	\$2,700	1-3	\$300
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Obsolete</i>								
	No Component	80%						
	Generic	10%			2024	\$2,700	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 26-Apr-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 300 **Lot** : 30 **BIN** : 1003898

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$57,600	\$160,300
Electrical		\$49,900
<b>Total</b>	<b>\$57,600</b>	<b>\$210,200</b>
Importance Code A	\$57,600	\$160,300
Importance Code B		\$49,900
<b>Total</b>	<b>\$57,600</b>	<b>\$210,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$68,700		\$7,800	
Interior Architecture	\$1,900	\$700	\$24,300	\$300
Electrical	\$16,100		\$26,700	
Mechanical	\$7,500	\$500	\$9,800	\$600
<b>Total</b>	<b>\$94,100</b>	<b>\$1,200</b>	<b>\$68,600</b>	<b>\$900</b>
Importance Code A	\$69,000	\$300	\$8,100	\$300
Importance Code B	\$25,200	\$500	\$60,500	\$500
Importance Code C		\$400		
<b>Total</b>	<b>\$94,100</b>	<b>\$1,200</b>	<b>\$68,600</b>	<b>\$900</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**  
**ENGINE CO. 9 /LADDER CO. 6**  
**Asset # : 13008**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	5%			LIFE	**	5	\$5,200	
Masonry: Brick	50%			LIFE	**	5	\$10,400	
Metal Coiling Doors	5%			2040	**	5	\$3,300	
Metal: Cage/Fence	15%			2040	**	5	\$13,600	
Marble Panels	10%			LIFE	**	5	\$1,600	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%</i>								
<i>Location : Adjacent To Overhead Door</i>								
Wood	15%			2032	**	5	\$15,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Addition/ Extension At Rear Of Building</i>								
<i>Explanation : Wood Panel Walls</i>								
Windows								
Aluminum	100%	Now	\$57,600	2052	**	5	\$700	
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Thermally Inefficient</i>								
Parapets								
Metal Rail	100%			2040	**	5-10	\$46,400	
Roof								
Modified Bitumen	100%	Now	\$32,100	2027			\$160,300	
<i>Alligatoring, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$11,700	
Ceramic Tile	5%			2036	**	5	\$500	
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	20%			2032	**	3	\$1,100	
Vinyl Tile 9" X 9"	20%			2022		3	\$800	
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$800	
Gypsum Board	25%			LIFE	**	5	\$2,500	
Plaster	25%			LIFE	**	5	\$1,300	
<i>Patching Evident, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Floor Locker Room Area</i>								
SGFT/Glazed Masonry	45%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 9 /LADDER CO. 6**  
**Asset # : 13008**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Interior

## Ceilings

AcousTileSusp.Lay-In	5%	Now	\$1,300	2040	**	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%			2040	**	5	\$500	
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Exposed Concrete	45%			LIFE	**	5	\$800	
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Gypsum Board	20%			LIFE	**	5	\$2,700	
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Plaster	25%			LIFE	**	5	\$1,700	
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*Staining/Discoloring, Extent : Light, Area Affected : 15%*

*Location : Apparatus Floor Area*

## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%			2032	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2027	\$4,900	5		
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Basement*

*Explanation : Electrical Service, Rated 400 Amperes*

## Switchgear / Switchboard

Molded Case Bkrs	100%			2027	\$49,900	5	\$200	
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## Raceway

Conduit	100%			2027	\$32,000	1		
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## Panelboards

Molded Case Bkrs	100%			2035	**	5	\$200	
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## Wiring

Braided Cloth	40%	2-4	\$11,300	2052	**	1		
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Throughout*

*Explanation : Insulation Aged*

Thermoplastic	60%			2047	**	1		
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## Motor Controllers

Locally Mounted	100%			2025	\$14,700	5		
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## Ground

## Grounding Devices

Generic	100%	Now	\$1,000	LIFE	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Basement*

*Explanation : There Is No Ground Wire Jumping The Water Meter.*

## 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.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 9 /LADDER CO. 6**  
**Asset # : 13008**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	70%			2022	\$12,400	10	\$4,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Old Fixtures: T-8 And T-12</i>								
Incandescent	20%			2027	\$8,400	2		
Incandescent	5%			2022	\$2,100	2		
LED	5%			2032	**			
<b>Egress Lighting</b>								
Exit, Service	50%			2022	\$400	1		
Exit, Battery	50%			2022	\$1,200	10	\$200	
<b>Exterior Lighting</b>								
HID	25%			2022	\$6,200	10		
HID	75%	Now	\$3,700	2037	**			
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Building Facade</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2047	**	1		
Conversion Equipment Hot Water Boiler	100%			2040	**	1	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution Hot Wtr Piping/Pump	100%			2026	\$9,600	4	\$300	
Terminal Devices Convactor/Radiator	80%			2025	\$26,300	1	\$1,700	
Unit Heater - Steam	20%			2027	\$4,400	4	\$100	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2035	**	1		
Conversion Equipment Exterior Pkg Unit - Cooling	15%			2022	\$7,400	2	\$100	
Window/Wall Unit	45%			2020	\$5,700	1		
No Component	40%							
Distribution Ductwork/Diffusers	50%			LIFE	**	2	\$4,200	
No Component	50%							
<b>Ventilation</b>								

*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. 9 /LADDER CO. 6**  
**Asset # : 13008**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>			
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Ventilation</b>									
<b>Distribution</b>									
	Ductwork/Diffusers	25%			LIFE	* *	2-5	\$900	
	No Component	75%							
<b>Exhaust Fans</b>									
	Roof	20%	Now	\$1,000	2027	\$2,000	2		
				<i>Noisy/Vibrating, Extent : Moderate, Area Affected : 30%</i>					
				<i>Location : Roof</i>					
				<i>Not in Service, Extent : Light, Area Affected : 50%</i>					
				<i>Location : Roof</i>					
	Wall Unit	10%			2022	\$200	2		
	No Component	70%							
<b>Plumbing</b>									
<b>H/C Water Piping</b>									
	Galvanized Steel	100%			2032	* *	1		
<b>Water Heater</b>									
	Gas Fired	100%			2025	\$3,700	2	\$100	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Boiler Room</i>					
				<i>Explanation : 2 Units 74 Gallon</i>					
<b>Sanitary Piping</b>									
	Cast Iron	100%			LIFE	* *	1		
<b>Storm Drain Piping</b>									
	Cast Iron	100%			LIFE	* *	1		
<b>Sump Pump(s)</b>									
	Submersible	100%	Now	\$200	2022	\$200	4	\$100	
				<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
<b>Fixtures</b>									
	Generic	100%							
<b>Fire Suppression</b>									
<b>Chemical System</b>									
	Wet	10%			2025	\$2,700	1-3	\$400	
	No Component	90%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 19-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 4049 **Lot** : 49 **BIN** : 2043470

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Interior Architecture	\$108,800	
Electrical	\$49,900	
Mechanical		\$42,600
<b>Total</b>	<b>\$158,700</b>	<b>\$42,600</b>
Importance Code B	\$123,000	\$42,600
Importance Code C	\$35,600	
<b>Total</b>	<b>\$158,700</b>	<b>\$42,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$38,600		\$200	\$1,400
Interior Architecture	\$21,500	\$900		\$1,100
Electrical	\$36,400	\$13,600		
Mechanical	\$2,900	\$21,000	\$3,200	\$1,900
<b>Total</b>	<b>\$99,400</b>	<b>\$35,500</b>	<b>\$3,400</b>	<b>\$4,300</b>
Importance Code A	\$44,800	\$1,200	\$1,400	\$2,600
Importance Code B	\$45,100	\$34,200	\$2,000	\$1,700
Importance Code C	\$9,500			
<b>Total</b>	<b>\$99,400</b>	<b>\$35,500</b>	<b>\$3,400</b>	<b>\$4,300</b>



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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. 90/LADDER CO. 41**  
**Asset # : 13073**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	65%			LIFE	**	5	\$23,700	
<i>Recent Repair Evident, Extent : Light, Area Affected : 30%</i>								
<i>Location : Front Facade</i>								
Masonry: Granite	7%			LIFE	**	5	\$1,900	
Masonry: Limestone	7%	Now	\$5,700	LIFE	**	5	\$1,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
Masonry: Limestone	8%			LIFE	**	5	\$2,200	
Stucco Cement	3%			2043	**	5	\$2,700	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	10%			2039	**	5	\$18,200	
Windows								
Aluminum	100%			2034	**	5	\$3,000	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,700	
Masonry: Brick	85%			LIFE	**	5	\$1,800	
Metal Panel	5%			2052	**	5	\$400	
Roof								
Asphalt Shingle	10%	0-2	\$1,600	2029	\$5,300			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Low Roof Over Dining Area (At Skylight) And Kitchen</i>								
Built-Up (BUR)	15%	Now	\$31,300	2036	**			
<i>Patching Evident, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Low Roof Over Dining Area</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Low Roof Over Dining Area</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Low Roof Over Dining Area</i>								
Modified Bitumen	70%			2034	**	10	\$10,600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	5%			2036	**	10	\$2,500	

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. 90/LADDER CO. 41**  
**Asset # : 13073**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$16,400	
Ceramic Tile	10%			2039	**	5	\$1,900	
Terrazzo	5%			LIFE	**	5	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Terrazzo On Stair Treads</i>								
Vinyl Tile	45%	Now	\$73,200	2036	**	3	\$3,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout.</i>								
<i>Uneven Substrate, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout.</i>								
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$1,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Bathrooms</i>								
Gypsum Board	15%			LIFE	**	5	\$2,300	
Plaster	45%	Now	\$9,500	LIFE	**	5	\$3,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floor By Storm Leader Located At Front Of Building</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Both Exercise Rooms</i>								
SGFT/Glazed Masonry	35%	Now	\$35,600	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor.</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor.</i>								
Ceilings								
AcousTileSusp.Lay-In	10%			2031	**	5	\$1,900	
Embossed Metal	30%			LIFE	**	5	\$2,500	
Exposed Concrete	30%			LIFE	**	5	\$900	
Gypsum Board	10%	Now	\$1,900	LIFE	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Dining Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Dining Room</i>								
Plaster	20%	Now	\$10,000	LIFE	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : All Three Floors By Storm Leader At Front Of Building.</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Dormitory, Locker Room.</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floor By Storm Drain Leader Located At Front Of Building</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 90/LADDER CO. 41**  
**Asset # : 13073**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%	0-2	\$4,900	2056	**	5	\$200	
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Ampere Service</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%	0-2	\$49,900	2056	**	5	\$200	
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Raceway								
Conduit	80%			2026	\$25,600	1		
Conduit	20%			2046	**	1		
Panelboards								
Molded Case Bkrs	20%			2042	**	5	\$100	
Molded Case Bkrs	80%	0-2	\$31,500	2051	**	5	\$100	
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Wiring								
Thermoplastic	100%			2026	\$28,300	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	97%			2031	**	10	\$11,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	3%			2021	\$2,500	2		
Exterior Lighting								
HID	50%			2026	\$24,100	10		
No Component	50%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2046	**	1		
Conversion Equipment								
Steam Boiler	100%			2039	**	1	\$12,400	
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$900	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 90/LADDER CO. 41**  
**Asset # : 13073**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$4,000	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	5%			2031	**	2		
		<i>R-134a Refrigerant, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Serves Kitchen Only</i>						
Window/Wall Unit	75%			2021	\$18,700	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	5%			LIFE	**	2	\$800	
No Component	95%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,000	
Exhaust Fans								
Interior	100%			2026	\$42,600	2	\$400	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Gas Fired	100%			2024	\$7,300	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$400	4	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - Heavy Duty Duplex Units Used With Under Floor Drainage System</i>						
Fixtures								
Generic	100%							
<b>Fire Suppression</b>								
Chemical System								
Generic	100%			2024	\$26,700	1-3	\$3,700	

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 17-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 1660 **Lot** : 30 **BIN** : 1052473

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$88,100	
Interior Architecture	\$254,600	
Electrical		\$39,400
Mechanical	\$181,800	
<b>Total</b>	<b>\$524,600</b>	<b>\$39,400</b>
Importance Code A	\$164,200	
Importance Code B	\$320,900	\$39,400
Importance Code C	\$39,500	
<b>Total</b>	<b>\$524,600</b>	<b>\$39,400</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$7,100			
Interior Architecture	\$75,500			\$1,000
Electrical	\$26,200	\$14,400	\$100	\$200
Mechanical	\$43,900	\$1,600	\$3,700	\$1,700
<b>Total</b>	<b>\$152,800</b>	<b>\$16,000</b>	<b>\$3,900</b>	<b>\$2,900</b>
Importance Code A	\$7,100	\$1,200	\$1,200	\$1,200
Importance Code B	\$122,100	\$14,800	\$2,700	\$1,600
Importance Code C	\$23,600			
<b>Total</b>	<b>\$152,800</b>	<b>\$16,000</b>	<b>\$3,900</b>	<b>\$2,900</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 91**  
**Asset # : 13074**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$10,900	
Masonry: Limestone	10%			LIFE	**	5	\$1,000	
<i>Staining/Discoloring, Extent : Light, Area Affected : 15%</i>								
<i>Location : Front Facade Above 3rd Floor</i>								
Wood Overhead Doors	10%			2039	**	5	\$6,800	
Windows								
Aluminum	100%	2-4	\$2,900	2042	**	5	\$200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 1st Floor Apparatus Room</i>								
Parapets								
Cast Stone/Terra Cotta	10%	2-4	\$400	LIFE	**	5	\$1,100	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Masonry: Brick	90%	0-2	\$3,900	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
<i>Efflorescence, Extent : Light, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Roof								
Built-Up (BUR)	100%	Now	\$88,100	2034	**			1
<i>Drains Clogged, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
<i>Grvl/Blst Miss/Disp, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Ponding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Near Roof Drains</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Third Floor At Bulkhead, Second Floor Extension To 240, Kitchen</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 91**  
**Asset # : 13074**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior Floors								
Cast in Place Concrete	40%	Now	\$51,000	LIFE	**	5	\$17,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Room Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	10%	2-4	\$4,000	2035	**	5	\$1,000	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 72%</i>								
<i>Location : Toilets And Showers Throughout</i>								
Quarry Tile	10%	0-2	\$5,900	2039	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 75%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	40%	Now	\$20,800	2031	**	3	\$3,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd And 3rd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 91**  
**Asset # : 13074**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	10%	0-2	\$1,100	2035	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Gypsum Board	10%	0-2	\$400	LIFE	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Gymnasium</i>								
Masonry: Brick	25%	Now	\$39,500	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 75%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Basement</i>								
Plaster	30%	Now	\$2,400	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Various Locations On 2nd And 3rd Floors</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 40%</i>								
<i>Location : Various Locations On 2nd And 3rd Floors</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Rear Wall Of 240 (Now Vacant)</i>								
SGFT/Glazed Masonry	25%	0-2	\$19,600	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								

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. 91**  
**Asset # : 13074**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	1%	Now		2039	**	5	\$100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 85%</i>								
<i>Location : Pantry</i>								
Exposed Concrete	25%	Now	\$164,200	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Structurally Insufficient</i>								
Gypsum Board	10%	Now	\$4,100	LIFE	**	5	\$2,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : 2nd Floor Corridor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Toilets</i>								
Plaster	64%	Now	\$17,100	LIFE	**	5	\$8,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 3rd Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 3rd Floor</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Not Accessible	100%							
Raceway								
Conduit	100%			2026	\$32,000	1		
Panelboards								
Molded Case Bkrs	100%			2025	\$39,400	5	\$300	
<i>Obsolete Equipment, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout Firehouse</i>								
Wiring								
Thermoplastic	100%			2026	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2024	\$14,700	5	\$100	

Ground

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 91**  
**Asset # : 13074**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Ground

Grounding Devices Not Accessible	100%							
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## Lighting

Interior Lighting Fluorescent	100%			2026	\$34,100	10	\$11,300	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Exterior Lighting HID	30%			2021	\$14,200	10		
No Component	70%							

## Alarm

Fire/Smoke Detection No Component	80%							
Generic, Analog	20%	0-2	\$26,000	2036	**	1-3	\$1,400	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Heating

Energy Source Natural Gas	100%			2052	**	1		
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Conversion Equipment Steam Boiler	100%	2-4	\$76,100	2046	**	1	\$11,000	
<i>Corroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								

Distribution Central Plant Steam Piping/Pmp	100%	4+	\$19,900	2046	**	4	\$600	
<i>Insul. Deteriorating, Extent : Light, Area Affected : 40%</i>								
<i>Location : Basement</i>								

Terminal Devices Convactor/Radiator	90%	2-4	\$5,700	2039	**	1	\$3,200	
<i>Damaged, Extent : Light, Area Affected : 30%</i>								
<i>Location : Radiator Covers</i>								
Unit Heater - Steam	10%			2031	**	4	\$100	

## Air Conditioning

Energy Source Electricity	100%			2042	**	1		
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 91**  
**Asset # : 13074**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
<b>Conversion Equipment</b>								
	Split Unit	25%			2021	\$62,700		
	Window/Wall Unit	25%	4+	\$1,200	2024	\$6,100	1	
<i>On Extended Life, Extent : Light, Area Affected : 30%</i>								
<i>Location : Various Location Throughout</i>								
	No Component	50%						
<b>Distribution</b>								
	Ductwork/Diffusers	25%			LIFE	**	2	\$4,000
	No Component	75%						
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,900
<b>Exhaust Fans</b>								
	Interior	50%			2031	**	2	\$200
<i>Abandoned in Place, Extent : Light, Area Affected : 20%</i>								
<i>Location : Kitchen Hood Fan</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen Hood</i>								
<i>Explanation : No System</i>								
	Roof	50%	2-4	\$9,800	2036	**	2	\$200
<i>On Extended Life, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Galvanized Steel	100%			2031	**	1	
<b>Water Heater</b>								
	Gas Fired	100%			2024	\$7,200	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 75 Gallon Unit</i>								
<b>Sanitary Piping</b>								
	Cast Iron	100%	0-2	\$43,000	LIFE	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<b>Storm Drain Piping</b>								
	Cast Iron	100%	2-4	\$7,300	LIFE	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<b>Sump Pump(s)</b>								
	Non-Submersible	100%			2026	\$1,800	4	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 1 Unit On Each Side</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 91**  
**Asset # : 13074**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>			
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Plumbing									
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2034	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
		<i>Explanation : Serves Boiler Only</i>							
<hr/>									
	Fixtures								
	Generic	100%							

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 03-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 2450 **Lot** : 40 **BIN** : 2096490

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$42,500	\$141,600
Interior Architecture		\$55,200
Electrical		\$15,700
<b>Total</b>	<b>\$42,500</b>	<b>\$212,500</b>
Importance Code A	\$42,500	\$141,600
Importance Code B		\$70,900
<b>Total</b>	<b>\$42,500</b>	<b>\$212,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$40,100		\$13,200	
Interior Architecture	\$77,300	\$500	\$4,200	\$800
Electrical	\$5,500	\$800	\$7,500	\$800
Mechanical	\$10,700	\$1,600	\$29,400	\$2,200
<b>Total</b>	<b>\$133,700</b>	<b>\$2,900</b>	<b>\$54,300</b>	<b>\$3,800</b>
Importance Code A	\$40,600	\$500	\$13,700	\$500
Importance Code B	\$58,200	\$1,900	\$40,600	\$3,200
Importance Code C	\$34,800	\$500		
<b>Total</b>	<b>\$133,700</b>	<b>\$2,900</b>	<b>\$54,300</b>	<b>\$3,800</b>



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. 92/LADDER CO. 44**  
**Asset # : 13075**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	70%			LIFE	**	5	\$26,900		
Masonry: Granite	4%			LIFE	**	5	\$1,200		
Masonry: Limestone	10%	0-2	\$23,800	LIFE	**	5	\$2,900		
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Street Facade</i>									
Metal Panel	5%			2037	**	5-10	\$13,200		
Weathering Steel	1%			LIFE	**	1			
Wood Overhead Doors	10%			2032	**	5	\$19,200		
Windows									
Aluminum	100%			2035	**	5	\$2,800		
Parapets									
Cast Stone/Terra Cotta	10%	Now	\$4,400	LIFE	**	5	\$2,100		
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Cornice Joints - Street Facade</i>									
Masonry: Brick	65%	Now	\$10,600	LIFE	**	5	\$1,800		
<i>Vegetation Growth, Extent : Severe, Area Affected : 30%</i>									
<i>Location : Underside Of Coping</i>									
Metal Rail	15%			2044	**	5-10	\$7,500		
No Component	10%								
Roof									
Modified Bitumen	100%	Now	\$42,500	2027	\$141,600				
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : 2nd Floor Roof</i>									
<i>Debris Present, Extent : Severe, Area Affected : 20%</i>									
<i>Location : 2nd Floor Roof</i>									
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Throughout</i>									
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Third Floor Locker Room</i>									

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. 92/LADDER CO. 44**  
**Asset # : 13075**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior Floors</b>								
Cast in Place Concrete	40%	Now	\$20,300	LIFE	**	5	\$13,900	
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : At Waste/ Sewer Line Backup, Sidewalk Vault, And Hot Water Heater - Basement</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2030	**	5	\$800	
Quarry Tile	5%			2032	**	5	\$1,200	
Sheet Vinyl/Rubber	10%			2032	**	5	\$2,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Third Floor Gymnasium</i>								
<i>Explanation : Interlocking Rubber Tile</i>								
Vinyl Tile	40%	2-4	\$16,600	2027	\$55,200	3	\$2,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Second And Third Floors</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second And Third Floors</i>								
<b>Interior Walls</b>								
Ceramic Tile	5%			2036	**	5	\$1,100	
Gypsum Board	50%			LIFE	**	5	\$6,600	
Masonry: Brick	20%	0-2	\$34,800	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Sidewalk Vaults</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Sidewalk Vault</i>								
Plaster	5%			LIFE	**	5	\$300	
SGFT/Glazed Masonry	20%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	30%			2032	**	5	\$4,800	
Exposed Struc: Steel	25%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Below Apparatus Floor</i>								
<i>Explanation : Actually Metal Decking</i>								
Gypsum Board	20%			LIFE	**	5	\$4,000	
Plaster	25%	Now	\$5,300	LIFE	**	5	\$2,500	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Third Floor Locker Room</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

Under 600 Volts

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 92/LADDER CO. 44**  
**Asset # : 13075**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2037	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 600 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2037	**	5	\$300	
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Molded Case Bkrs	60%			2035	**	5	\$200	
Molded Case Bkrs	40%			2026	\$15,700	5	\$100	
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2032	**	1	\$3,300	
Generators								
Diesel	100%			2030	**	1	\$4,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated At 81kva</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$400	
Fuel Storage								
Main Tank	100%			2042	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 60 Gallons Rated Capacity</i>								
<b>Lighting</b>								
Interior Lighting								
Fluorescent	88%			2027	\$25,900	10	\$8,600	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	10%	Now	\$2,900	2037	**			
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	2%			2022	\$600	10	\$200	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 92/LADDER CO. 44**  
**Asset # : 13075**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Egress Lighting								
Emergency, Service	25%			2027	\$1,300	1		
Emergency, Battery	25%			2027	\$3,700	10	\$600	
Exit, Service	50%			2027	\$600	1		
Exterior Lighting								
HID	20%			2027	\$8,200	10		
No Component	80%							
<b>Alarm</b>								
Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%			2022	\$5,600	1-3	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : For Gasoline Pump Only; Alarm Bells Only</i>								
<hr/>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Furnace	50%			2032	**	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Rtu Package Units</i>								
Hot Water Boiler	50%			2032	**	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : 4 Boilers Piped Together</i>								
Distribution								
Hot Wtr Piping/Pump	50%	Now	\$400	2035	**	4	\$300	
<i>Not in Service, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Temperature Control System</i>								
No Component	50%							
Terminal Devices								
Convactor/Radiator	25%			2032	**	1	\$900	
Unit Heater - Steam	25%			2027	\$9,100	4	\$200	
No Component	50%							
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2035	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 92/LADDER CO. 44**  
**Asset # : 13075**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2032	**	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Rtu Package Units. R-410a</i>								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	\$4,700	LIFE	**	2-5	\$5,900	
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof</i>								
Exhaust Fans								
Interior	30%			2032	**	2	\$100	
Roof	50%			2032	**	2	\$200	
Wall Unit	20%			2027	\$700	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
<i>Booster Pump w/Tank, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
HW Heat Exchanger								
Steam Fired	100%			2047	**	4	\$1,100	
Sanitary Piping								
Cast Iron	100%	Now	\$3,700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Side Of The Basement</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$300	4	\$300	
Backflow Preventer								
Generic	100%			2032	**	1	\$700	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2047	**	1-2	\$3,000	
Fire Pump								
Generic	100%			2036	**	1	\$2,000	
Chemical System								
Wet	100%			2022	\$26,700	1-3	\$4,200	

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 17-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 2155 **Lot** : 30 **BIN** : 1075518

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$38,100	\$63,500
Interior Architecture	\$71,600	\$35,800
Electrical		\$75,900
<b>Total</b>	<b>\$109,700</b>	<b>\$175,200</b>
Importance Code A	\$38,100	\$63,500
Importance Code B	\$71,600	\$111,700
<b>Total</b>	<b>\$109,700</b>	<b>\$175,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture			\$1,600	
Interior Architecture	\$17,000			
Electrical	\$4,700	\$28,100	\$1,100	\$800
Mechanical	\$21,300	\$3,600	\$13,200	\$3,500
<b>Total</b>	<b>\$43,000</b>	<b>\$31,700</b>	<b>\$15,900</b>	<b>\$4,400</b>
Importance Code A	\$1,600	\$1,700	\$3,200	\$1,600
Importance Code B	\$25,700	\$30,000	\$12,700	\$2,700
Importance Code C	\$15,700			
<b>Total</b>	<b>\$43,000</b>	<b>\$31,700</b>	<b>\$15,900</b>	<b>\$4,400</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 93/LADDER CO. 45**  
**Asset # : 13076**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$29,900	
Masonry: Granite	5%			LIFE	**	5	\$1,600	
Masonry: Limestone	10%			LIFE	**	5	\$3,200	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	15%			2039	**	5	\$32,000	
Windows								
Aluminum	100%			2042	**	5	\$3,100	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$3,100	
Masonry: Brick	75%			LIFE	**	5	\$3,000	
<i>Efflorescence, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Facade Roof Side</i>								
Metal Rail	15%			2039	**	5-10	\$11,000	
Roof								
Roll Roofing	100%	2-4	\$38,100	2028	\$63,500	5	\$12,600	
<i>Blisters, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout Upper Roof</i>								
<i>Debris Present, Extent : Light, Area Affected : 10%</i>								
<i>Location : Lower Roof</i>								
<i>Ponding, Extent : Light, Area Affected : 15%</i>								
<i>Location : Lower Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Seams Throughout</i>								
<i>Explanation : Alligating</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$35,800	
Ceramic Tile	2%	Now	\$1,300	2035	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Laundry Room And Bathroom</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Grout Staining</i>								
Granite Panels	2%			LIFE	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Interior Staircase</i>								
<i>Explanation : Refers To Stair Treads.</i>								
Terrazzo	4%			LIFE	**	5	\$1,000	
Wood	33%	Now	\$36,400	2054	**	5	\$10,100	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd And 3rd Floors At Doorways, Throughout</i>								
Wood	9%			2054	**	5	\$5,500	

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 93/LADDER CO. 45**  
**Asset # : 13076**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	1%			2039	**	5	\$400	
Concrete Masonry Unit	40%			LIFE	**	5	\$7,000	
Glass: Single Pane	2%			LIFE	**	5	\$700	
Gypsum Board	22%			LIFE	**	5	\$5,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : By Ladder Leading To Roof</i>								
Masonry: Brick	18%	Now	\$15,700	LIFE	**			
<i>Diagonal Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : South Basement Wall</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : South Basement Wall.</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Bunk Room.</i>								
Metal Panel	1%			LIFE	**			
Plaster	5%			LIFE	**	5	\$700	
Wood	11%			LIFE	**	5	\$19,300	
<b>Ceilings</b>								
Exposed Concrete	40%			LIFE	**	5	\$2,000	
Exposed Struc: Steel	25%	Now	\$35,200	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : South Side Below Apparatus Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : South Side Below Apparatus Floor</i>								
<i>Explanation : Rusting Steel</i>								
Metal Panel	15%			LIFE	**	5	\$6,100	
Plaster	20%			LIFE	**	5	\$4,100	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amperes</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2046	**	5	\$600	
<b>Raceway</b>								
Busway	1%			2039	**	1		
Conduit	99%			2046	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2042	**	5	\$600	
<b>Wiring</b>								
Thermoplastic	100%			2046	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 93/LADDER CO. 45**  
**Asset # : 13076**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2039	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%	0-2	\$1,900	LIFE	**	5	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Ground Clamp Severely Corroded At Water Pipe, Needs New Ground Clamp.</i>						
Stand-by Power								
Transfer Switches								
Manual	100%			2046	**	5	\$100	
Generators								
Diesel	100%			2035	**	1	\$8,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside (Backyard)</i>						
		<i>Explanation : 64 Kw Portable Type</i>						
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$800	
Fuel Storage								
Main Tank	100%			2054	**	5	\$600	
Lighting								
Interior Lighting								
Fluorescent	90%			2031	**	10	\$18,100	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	8%			2031	**	10	\$1,600	
		<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Second And Third Floor</i>						
HID	2%			2026	\$400	10		
Egress Lighting								
Exit, LED	100%			2054	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Mostly L. E. D</i>						
Exterior Lighting								
HID	90%			2026	\$75,900	10	\$100	
Incandescent	10%			2021	\$7,200	2		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2046	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 93/LADDER CO. 45**  
**Asset # : 13076**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment								
Furnace	50%	Now	\$500	2026	\$24,600	1	\$4,900	
<i>Damaged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Bird Screens Missing Or Damaged</i>								
Steam Boiler	50%			2039	**	1	\$10,800	
Distribution								
Central Plant Steam Piping/Pmp	100%			2046	**	4	\$1,100	
Terminal Devices								
Convactor/Radiator	80%			2039	**	1	\$5,700	
Fan Coil Unit/Heat	20%			2034	**	1	\$1,400	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	95%	Now	\$5,000	2031	**	2	\$1,000	
<i>Damaged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Bird Screens Missing Or Damaged</i>								
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 6 Units On Roof</i>								
Window/Wall Unit	5%			2024	\$2,200	1		
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$28,500	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$12,200	
Exhaust Fans								
Roof	80%			2031	**	2	\$500	
Wall Unit	20%			2031	**	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Gas Fired	50%	0-2	\$6,400	2026	\$6,400	2	\$100	
<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Tank</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Gas Fired	50%			2020	\$6,400	2	\$200	
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 93/LADDER CO. 45**  
**Asset # : 13076**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Plumbing								
Sump Pump(s) Non-Submersible	100%			2031	**	4	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - Duplex Unit, 1 Single Unit</i>								
Backflow Preventer Generic	100%			2031	**	1	\$1,300	
Fixtures Generic	100%							
Fire Suppression								
Sprinkler Generic	100%			2046	**	1-2	\$6,100	
Chemical System Generic	100%			2024	\$26,700	1-3	\$3,700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3  
**Address** : 1226 SENECA AVENUE  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.094 / 13077 **Yr Built/Renovated** : 1913 /  
**Area Sq Ft** : 8,526 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 02-Jul-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors `1,2,3  
**Block** : 2762 **Lot** : 54 **BIN** : 2006440

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Electrical		\$39,400
<b>Total</b>		<b>\$39,400</b>
Importance Code B		\$39,400
<b>Total</b>		<b>\$39,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$44,700	\$2,300	\$2,100	\$500
Interior Architecture	\$46,800		\$3,900	
Electrical	\$5,500	\$300	\$2,600	\$400
Mechanical	\$1,300	\$1,100	\$15,000	\$1,100
Site Pavements	\$11,300			
<b>Total</b>	<b>\$109,600</b>	<b>\$3,700</b>	<b>\$23,700</b>	<b>\$2,000</b>
Importance Code A	\$45,500	\$3,100	\$3,000	\$1,300
Importance Code B	\$41,700	\$500	\$19,800	\$700
Importance Code C	\$22,300		\$900	
<b>Total</b>	<b>\$109,600</b>	<b>\$3,700</b>	<b>\$23,700</b>	<b>\$2,000</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**  
**ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3**  
**Asset # : 13077**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	8%			2039	**	10	\$400	
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$22,400	
Masonry: Brick	70%			LIFE	**	5	\$20,100	
<i>Recent Repair Evident, Extent : Light, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,100	
Stucco Cement	2%			2042	**	5	\$700	
Wood Overhead Doors	5%			2027		5	\$3,600	
Windows								
Aluminum	100%			2051	**	5	\$2,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$9,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	85%			LIFE	**	5-10	\$19,000	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Metal Rail	5%			2046	**	5-10	\$2,900	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Roof								
Asphalt Shingle	5%			2038	**	10	\$100	
Modified Bitumen	90%			2037	**	10	\$10,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Roll Roofing	5%			2028		5	\$1,000	
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**  
**ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3**  
**Asset # : 13077**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	35%	4+	\$1,000	LIFE	**	5	\$9,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement</i>								
Ceramic Tile	20%			2042	**	5	\$2,600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 30%</i>								
<i>Location : Bathrooms And Second Floor</i>								
Quarry Tile	5%			2034	**	5	\$1,000	
Terrazzo	5%	Now	\$9,200	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Stair Treads</i>								
Vinyl Tile	30%			2037	**	3	\$1,400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Wood	5%			2044	**	5	\$1,200	
Interior Walls								
Cast in Place Concrete	5%			LIFE	**	10	\$2,200	
Ceramic Tile	10%			2042	**	5	\$1,800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
Gypsum Board	25%			LIFE	**	5-10	\$7,500	
Masonry: Brick	25%	Now	\$8,800	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Of Building</i>								
Plaster	30%			LIFE	**	5-10	\$4,500	
Wood	5%			LIFE	**	5	\$7,100	
Ceilings								
AcousTileSusp.Lay-In	20%			2042	**	5	\$2,600	
Exposed Struc: Steel	30%			LIFE	**	10	\$7,700	
Gypsum Board	20%			LIFE	**	5-10	\$8,800	
Plaster	30%	4+	\$1,000	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair To 2nd Floor, 3rd Floor Bulkhead And Scuttle</i>								
Site Enclosure								
Fence/Gates								
Chain Link	92%			2039	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 35%</i>								
<i>Location : Parking Area</i>								
Iron Picket	8%			2049	**			
Site Pavements								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3**  
**Asset # : 13077**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%	Now	\$11,300	2034	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Failed Street Side</i>								

## On-Site Walkways

Cast in Place Concrete	100%			2034	**			
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## Parking/Driveway

Asphalt	100%			2032	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2049	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Ampere Main Switch</i>								

## Raceway

Conduit	80%			2039	**	1		
Conduit	20%			2049	**	1		

## Panelboards

Molded Case Bkrs	100%			2028	\$39,400	5	\$200	
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## Wiring

Thermoplastic	100%			2049	**	1		
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## Motor Controllers

Locally Mounted	100%			2034	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : Controls For Heating System.</i>								

## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$300	
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## Stand-by Power

## Transfer Switches

Automatic	100%			2042	**	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Ampere, 3 Pole, Connection For Generator</i>								

## Batteries

Lead/Acid	100%			2022	\$1,500	5	\$300	
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## Fuel Storage

Day Tank	100%			2037	**	5	\$1,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 27 Gallon</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3**  
**Asset # : 13077**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	30%			2034	**	10	\$2,300	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And 1st Floor</i>								
Fluorescent	40%			2034	**	10	\$3,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	30%			2024	\$16,700	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor, Stairs And 2nd Floor Television Room</i>								
<i>Explanation : Downlights</i>								
<b>Egress Lighting</b>								
Emergency, Service	50%			2029	\$2,100	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Emergency Lighting From Portable Emergency Generator</i>								
Exit, Service	50%			2029	\$500	1		
<b>Exterior Lighting</b>								
HID	30%	0-2	\$4,900	2029	\$9,900			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Explanation : Wall Mounted, Controlled Via Time Clock</i>								
Incandescent	20%			2029	\$5,600	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Wall Mounted, Controlled Via Switch</i>								
No Component	50%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2049	**	1		
Conversion Equipment Steam Boiler	100%			2042	**	1	\$8,400	
Distribution Steam Piping/Pump	100%			2039	**			
Terminal Devices Convactor/Radiator	90%			2034	**	1	\$2,500	
Unit Heater - Steam	10%			2024	\$2,900	4	\$100	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2045	**	1		

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\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3**  
**Asset # : 13077**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
Conversion Equipment								
	Split Unit	20%			2029	\$34,800		
	Window/Wall Unit	80%			2022	\$13,600	1	
Dehumidifier								
	No Component	80%						
	Generic	20%			2027			
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Explanation : Portable</i>								
<b>Ventilation</b>								
Exhaust Fans								
	Roof	50%			2034	**	2	\$100
	Wall Unit	50%			2029	\$1,500	2	\$100
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%			2039	**	1	
Water Heater								
	Gas Fired	100%			2024	\$5,000	2	\$100
<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%			2022	\$300	4	\$300
Backflow Preventer								
	No Component	95%						
	Generic	5%			2037	**	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
Chemical System								
	No Component	98%						
	Generic	2%			2024	\$500	1-3	\$100

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.*

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*\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 95 / LADDER CO. 36  
**Address** : 29 VERMILYEA AVENUE  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.095 / 13078 **Yr Built/Renovated** : 1913 / 2003  
**Area Sq Ft** : 9,076 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 22-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 2224 **Lot** : 15 **BIN** : 1064801

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$157,000	
Interior Architecture	\$53,000	\$42,700
Electrical		\$7,900
<b>Total</b>	<b>\$210,000</b>	<b>\$50,600</b>
Importance Code A	\$157,000	
Importance Code B	\$53,000	\$50,600
<b>Total</b>	<b>\$210,000</b>	<b>\$50,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$53,600		\$2,700	
Interior Architecture	\$59,000	\$300		\$1,300
Electrical	\$200			
Mechanical	\$22,500	\$1,800	\$5,300	\$1,500
Site Enclosure	\$3,200			
Site Pavements	\$4,500			
<b>Total</b>	<b>\$143,100</b>	<b>\$2,100</b>	<b>\$8,000</b>	<b>\$2,800</b>
Importance Code A	\$54,500	\$900	\$3,500	\$900
Importance Code B	\$43,800	\$1,200	\$4,400	\$1,500
Importance Code C	\$44,800			\$400
<b>Total</b>	<b>\$143,100</b>	<b>\$2,100</b>	<b>\$8,000</b>	<b>\$2,800</b>



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
 \*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**ENGINE CO. 95 / LADDER CO. 36**  
**Asset # : 13078**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	3%	4+	\$7,400	LIFE	**	5	\$8,000	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Facade</i>								
Masonry: Brick	85%	Now	\$88,800	LIFE	**	5	\$28,800	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								
<i>Graffiti, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Facades</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North And South At Front Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Esat And West Facades 2nd Floor</i>								
Masonry: Limestone	7%	Now	\$26,500	LIFE	**	5	\$1,800	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : North Facade Near Roof</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade</i>								
Metal Sect. OHD	5%			2042	**	5	\$5,300	
Windows								
Aluminum	100%	Now	\$68,200	2045	**	5	\$1,300	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%	Now	\$900	LIFE	**	5	\$2,600	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout, Upper Roof</i>								
Masonry: Brick	75%	Now	\$5,000	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%			LIFE	**	5-10	\$2,800	
Roof								
Modified Bitumen	100%	Now	\$11,400	2034	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof Seams</i>								
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower/ Bulkhead</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over 2nd Floor Roof</i>								
<i>Explanation : Wood Deck Over Roof</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. 95 / LADDER CO. 36**

**Asset # : 13078**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior Floors								
Cast in Place Concrete	50%	0-2	\$2,900	LIFE	**	5	\$12,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor, Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Gymnasium</i>								
Ceramic Tile	5%			2038	**	5	\$500	
Vinyl Tile	45%	Now	\$12,800	2024	\$42,700	3	\$1,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Patching Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : 2nd And 3rd Floor</i>								
Interior Walls								
Ceramic Tile	5%			2038	**	5	\$800	
Concrete Masonry Unit	3%			LIFE	**	5	\$400	
Gypsum Board	2%	4+	\$100	LIFE	**	5	\$200	
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Southeast Locker Room</i>								
Masonry: Brick	50%	Now	\$32,600	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	40%	Now	\$5,400	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd, 3rd Floor And Stair To Cellar</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floor East And West Sides</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 95 / LADDER CO. 36**  
**Asset # : 13078**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%			2046	**	5	\$500	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	25%	Now	\$53,000	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Cellar Throughout</i>								
Plaster	70%	Now	\$5,000	LIFE	**	5	\$4,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : 3rd Floor Southeast</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	\$1,000	2049	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 15%</i>								
<i>Location : Rear Yard</i>								
Free Standing Walls								
Masonry: Brick	100%	Now	\$1,400	2039	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North And South Of Front Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North And South Of Front Facade</i>								
Retaining Walls								
Cast in Place Concrete	90%			2049	**			
<i>Graffiti, Extent : Light, Area Affected : 10%</i>								
<i>Location : South Side Of Rear Yard</i>								
Masonry: Brick	10%	Now	\$800	2039	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Side Of Rear Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$400	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Of Building</i>								
On-Site Walkways								
Cast in Place Concrete	100%	4+	\$3,600	2034	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Rear Yard</i>								
<i>Ponding, Extent : Light, Area Affected : 15%</i>								
<i>Location : Rear Yard</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 95 / LADDER CO. 36**  
**Asset # : 13078**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

## Site Pavements

## Parking/Driveway

Cast in Place Concrete	100%	2-4	\$500	2034	**			
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*Cracking/Crumbling, Extent : Light, Area Affected : 5%*

*Location : Front Ramp*

Electrical		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2049	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Basement*

*Explanation : One 400 Ampere Main Disconnect Switch*

## Raceway

Conduit	70%			2029	\$22,400	1		
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Conduit	30%			2049	**	1		
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## Panelboards

Fused Disc Sw	5%			2028	\$2,000	5		
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Molded Case Bkrs	75%			2045	**	5	\$200	
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Molded Case Bkrs	20%			2028	\$7,900	5		
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## Wiring

Thermoplastic	75%			2049	**	1		
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Thermoplastic	25%			2029	\$7,100	1		
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## Motor Controllers

Locally Mounted	100%			2027	\$14,700	5	\$100	
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$300	
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## Lighting

## Interior Lighting

LED	100%			2039	**			
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## Egress Lighting

Emergency, Battery	50%			2034	**	10	\$1,100	
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Exit, Service	50%			2034	**	1		
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## Exterior Lighting

LED	100%			2039	**			
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Mechanical		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

## Heating

## Energy Source

Natural Gas	100%			2049	**	1		
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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 95 / LADDER CO. 36**  
**Asset # : 13078**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Steam Boiler	100%			2034	**	1	\$9,000	
Distribution								
Central Plant Steam Piping/Pmp	100%	0-2	\$14,700	2039	**	4	\$400	
<i>Insul. Deteriorating, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$2,900	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	60%			2034	**	2	\$300	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Split Units, 1 Package Unit</i>								
Window/Wall Unit	10%			2024	\$1,800	1		
No Component	30%							
Distribution								
Ductwork/Diffusers	75%			LIFE	**	2	\$11,100	
No Component	25%							
Terminal Devices								
Air Handler/Dir Expansion	35%			2034	**	1		
No Component	65%							
Heat Rejection								
Dry Cooler	50%			2034	**	2	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Split Units Serve 2nd Floor</i>								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,000	
Exhaust Fans								
Roof	75%			2034	**	2	\$200	
Wall Unit	25%	Now	\$100	2029	\$800	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Noisy Operation</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 95 / LADDER CO. 36**  
**Asset # : 13078**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater Gas Fired	100%			2024	\$5,300	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Sanitary Piping Cast Iron	25%			LIFE	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Aged Piping</i>								
Cast Iron	75%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Non-Submersible	50%	Now	\$300	2034	**	4	\$100	
<i>Leak Evident, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Cellar 1 Unit</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Units At 3 Locations</i>								
Submersible	50%			2022	\$100	4	\$100	
Backflow Preventer No Component Generic	95%			2034	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler</i>								
Fixtures Generic	100%							
Fire Suppression								
Chemical System Generic	100%			2027	\$26,700	1-3	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Area</i>								
<i>Explanation : Ansul System Serves Cooking Area</i>								

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 96 /LADDER CO. 54  
**Address** : 1689 STORY AVENUE  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.096 / 13079 **Yr Built/Renovated** : 1966 / 2002  
**Area Sq Ft** : 7,035 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 09-Jul-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 3660 **Lot** : 1 **BIN** : 2022629

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$249,900	
Mechanical		\$51,800
<b>Total</b>	<b>\$249,900</b>	<b>\$51,800</b>
Importance Code A	\$249,900	\$51,800
<b>Total</b>	<b>\$249,900</b>	<b>\$51,800</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$13,400	\$2,600		
Interior Architecture	\$33,800		\$2,500	\$200
Electrical	\$6,000	\$200	\$200	\$300
Mechanical	\$32,900	\$700	\$9,200	\$600
Site Enclosure	\$21,400			
Site Pavements	\$5,100			
<b>Total</b>	<b>\$112,500</b>	<b>\$3,500</b>	<b>\$12,000</b>	<b>\$1,000</b>
Importance Code A	\$13,700	\$2,900	\$300	\$300
Importance Code B	\$60,900	\$600	\$11,300	\$600
Importance Code C	\$38,000		\$400	
<b>Total</b>	<b>\$112,500</b>	<b>\$3,500</b>	<b>\$12,000</b>	<b>\$1,000</b>



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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 96 /LADDER CO. 54**  
**Asset # : 13079**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%	Now	\$90,500	LIFE	**	5	\$14,700	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Relieving Angles And Lintels At Side Facades</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Right Side At Front And Side Facade Near Rear</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor At Window Lintels</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Window Level And Throughout South Facade</i>								
Metal Sect. OHD	10%			2046	**	5	\$5,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Entrance</i>								
Windows								
Aluminum	95%	Now	\$37,700	2054	**	5	\$900	
<i>Air Infiltration, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 55%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Glass Block	5%			LIFE	**	5	\$100	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$2,600	
Masonry: Brick	90%	Now	\$9,600	LIFE	**	5	\$800	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout Main Roof</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Roof								
Built-Up (BUR)	80%	2-4	\$121,700	2039	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Debris on Roof, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
<i>Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
Roll Roofing	20%			2025		5	\$3,700	
Interior								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 96 /LADDER CO. 54**  
**Asset # : 13079**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	60%			LIFE	**	5	\$27,800	
Ceramic Tile	3%			2038	**	5	\$300	
Quarry Tile	2%			2042	**	5	\$300	
Terrazzo	5%			LIFE	**	5	\$800	
Vinyl Tile	30%			2037	**	3	\$1,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<b>Interior Walls</b>								
Cast in Place Concrete	5%			LIFE	**	10	\$1,800	
Ceramic Tile	5%			2042	**	5	\$700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : Bathrooms</i>								
Concrete Masonry Unit	5%			LIFE	**	5	\$600	
Gypsum Board	35%			LIFE	**	5-10	\$8,700	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Plaster	10%			LIFE	**	5-10	\$1,200	
SGFT/Glazed Masonry	40%			LIFE	**	10	\$2,900	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	30%			2042	**	5	\$3,200	
Exposed Concrete	50%			LIFE	**	5-10	\$6,600	
Plaster	20%			LIFE	**	5-10	\$3,600	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%	Now	\$21,400	2059	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
<b>Free Standing Walls</b>								
Concrete Masonry Unit	100%			2049	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2034	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Asphalt	45%	0-2	\$5,100	2032	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Side Driveway</i>								
<i>Potholes, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Side Driveway</i>								
Cast in Place Concrete	55%			2042	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 96 /LADDER CO. 54**  
**Asset # : 13079**

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	95%			2049	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : 400 Ampere Fused Disconnect Switch</i>								
Photovoltaic Panel(s)	5%			2038	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rooftop</i>								
<i>Explanation : Serves Hot Water Heaters</i>								
Raceway								
Conduit	40%			2039	**	1		
Conduit	60%			2049	**	1		
Panelboards								
Molded Case Bkrs	100%			2045	**	5	\$200	
Wiring								
Thermoplastic	100%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2042	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : Heating System Controls.</i>								
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	100%	0-2	\$3,900	2034	**			
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Emergency, Battery	50%			2029		\$4,800	10	\$800
Exit, Service	50%			2029		\$400	1	
Exterior Lighting								
HID	10%			2029		\$2,700	10	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade Side Yard And Roof</i>								
<i>Explanation : Wall Mounted And Floodlights Controlled Via Time Clock</i>								
No Component	90%							
Alarm								
Fire/Smoke Detection								
No Component	50%							
Generic, Analog	50%	Now	\$1,900	2039	**	1-3	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Broken And Missing Smoke Detectors</i>								

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**FIRE DEPARTMENT - 057**  
**ENGINE CO. 96 /LADDER CO. 54**  
**Asset # : 13079**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil	100%			2039	**	5	\$2,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2,500 Gallon Tank In Vault</i>								
Conversion Equipment								
Hot Water Boiler	100%			2027	\$51,800	1	\$3,500	
Distribution								
Hot Wtr Piping/Pump	100%			2037	**	4	\$500	
Terminal Devices								
Convactor/Radiator	90%			2027	\$32,400	1	\$2,000	
Unit Heater - Steam	10%			2024	\$2,400	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Split Unit	20%	Now	\$28,700	2039	**			
<i>Broken, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof And 2nd Floor</i>								
Window/Wall Unit	60%			2022	\$8,400	1		
No Component	20%							
Ventilation								
Exhaust Fans								
Roof	100%			2034	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	\$1,000	2039	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bathroom Sink</i>								
Water Heater								
Gas Fired	50%			2024	\$2,100	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Solar	50%			2024	\$5,800			
Sanitary Piping								
Cast Iron	100%	Now	\$2,500	LIFE	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Bathroom</i>								
<i>Explanation : Shower Drains Under Sized Causing Flooding</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2022	\$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. 96 /LADDER CO. 54**  
**Asset # : 13079**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2029	\$100	1	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
<hr/>								
	Fixtures							
	Generic	100%						
<hr/>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : ENGINE CO. 97  
**Address** : 1454 ASTOR AVENUE @ FENTON AVE  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.097 / 13080 **Yr Built/Renovated** : 1931 / 2010  
**Area Sq Ft** : 5,006 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 13-Jul-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 4389 **Lot** : 23 **BIN** : 2050740

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$26,800		\$7,300	
Interior Architecture	\$25,500		\$1,500	\$500
Electrical	\$6,000		\$100	
Mechanical	\$800	\$700	\$700	\$700
<b>Total</b>	<b>\$59,000</b>	<b>\$700</b>	<b>\$9,600</b>	<b>\$1,200</b>
Importance Code A	\$27,300	\$500	\$7,800	\$500
Importance Code B	\$25,100	\$200	\$1,800	\$400
Importance Code C	\$6,600			\$300
<b>Total</b>	<b>\$59,000</b>	<b>\$700</b>	<b>\$9,600</b>	<b>\$1,200</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**  
**ENGINE CO. 97**  
**Asset # : 13080**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	60%	4+	\$6,800	LIFE	**	5	\$11,100	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Elevation</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,400	
Stucco Cement	25%			2042	**	5	\$11,600	
Wood Overhead Doors	10%			2034	**	5	\$9,300	
Windows								
Aluminum	100%			2045	**	5	\$1,900	
Parapets								
Masonry: Brick	90%			LIFE	**	5-10	\$12,900	
Masonry: Limestone	10%			LIFE	**	5-10	\$2,500	
Roof								
Metal Panel	10%			2042	**	10	\$1,500	
Modified Bitumen	90%	2-4	\$5,000	2034	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$22,700	
Ceramic Tile	5%			2038	**	5	\$400	
Quarry Tile	5%			2042	**	5	\$600	
Vinyl Tile	30%			2034	**	3	\$1,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Ceramic Tile	5%			2038	**	5	\$600	
Gypsum Board	25%			LIFE	**	5-10	\$5,000	
Masonry: Brick	10%	Now	\$900	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Plaster	30%	Now	\$600	LIFE	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Along North And East Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Along North And East Facade</i>								
SGFT/Glazed Masonry	30%			LIFE	**	10	\$1,800	
Ceilings								
AcousTileSusp.Lay-In	20%			2042	**	5	\$1,700	
Exposed Concrete	35%			LIFE	**	5-10	\$3,800	
Plaster	45%			LIFE	**	5-10	\$6,700	
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. 97**  
**Asset # : 13080**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Site Enclosure

## Fence/Gates

## Chain Link

100%

2039

\* \*

*Corrosion/Rusting, Extent : Moderate, Area Affected : 75%**Location : Throughout*

## Site Pavements

## Public Sidewalk

## Cast in Place Concrete

100%

2042

\* \*

## On-Site Walkways

## Cast in Place Concrete

100%

2034

\* \*

## Parking/Driveway

## Cast in Place Concrete

100%

2042

\* \*

## Electrical

## Current Repair

## Future Replacement

## Maintenance

System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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## Under 600 Volts

## Service Equipment

## Fused Disc Sw

100%

2039

\* \*

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 200 Amperes*

## Switchgear / Switchboard

## Molded Case Bkrs

100%

2039

\* \*

5

\$100

## Raceway

## Conduit

100%

2039

\* \*

1

## Panelboards

## Molded Case Bkrs

70%

2037

\* \*

5

\$100

## Molded Case Bkrs

30%

2-4

\$5,900

2037

\* \*

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Kitchen**Explanation : Inadequate Power In Kitchen*

## Wiring

## Thermoplastic

100%

2039

\* \*

1

## Motor Controllers

## Locally Mounted

100%

2042

\* \*

5

## Ground

## Grounding Devices

## Generic

100%

LIFE

\* \*

5

\$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Water Main*

## Lighting

## Interior Lighting

## Incandescent

10%

2024

\$3,300

2

## LED

90%

2034

\* \*

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. 97**  
**Asset # : 13080**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Lighting**

Egress Lighting								
Emergency, Battery	50%			2034	**	10	\$600	
Exit, LED	50%			2057	**	1		
Exterior Lighting								
HID	50%			2029	\$9,600	10		
No Component	50%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

Energy Source								
Natural Gas	100%			2039	**	1		
Conversion Equipment								
Steam Boiler	100%			2027	\$31,000	1	\$5,000	
<i>Corroded, Extent : Moderate, Area Affected : 5% Location : One Boiler</i>								
Distribution								
Steam Piping/Pump	100%			2039	**			
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$1,600	

**Air Conditioning**

Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Split Unit	10%			2029	\$10,200			
Window/Wall Unit	90%			2024	\$9,000	1		

**Ventilation**

Exhaust Fans								
Roof	100%			2034	**	2	\$200	

**Plumbing**

H/C Water Piping								
Brass/Copper	70%			2039	**	1		
Galvanized Steel	30%			2034	**	1		
Water Heater								
Gas Fired	100%			2024	\$2,900	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100% Location : Basement Explanation : 75 Gallons</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$200	4	\$200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>			
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Plumbing									
Fixtures									
	Generic	100%							
Fire Suppression									
Chemical System									
	No Component	98%							
	Generic	2%			2024	\$500	1-3	\$100	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
 \*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : FDNY BOAT MAINTENANCE @MARINE 6 NAVY YARD BLDG. 295  
**Address** : HAMMERHEAD AVE IN FRONT OF BLDG. 270  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRMAR6.010 / 14939 **Yr Built/Renovated** : 2015 /  
**Area Sq Ft** : 6,000 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 28-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Floors 1  
**Block** : 2023 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$55,300	\$55,700
<b>Total</b>	<b>\$55,300</b>	<b>\$55,700</b>
Importance Code A	\$55,300	\$55,700
<b>Total</b>	<b>\$55,300</b>	<b>\$55,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$30,400	\$11,900	\$3,600	
Interior Architecture	\$40,300			
Electrical	\$100			
Mechanical	\$200	\$200	\$200	\$200
<b>Total</b>	<b>\$71,000</b>	<b>\$12,100</b>	<b>\$3,800</b>	<b>\$200</b>
Importance Code A	\$30,400	\$11,900	\$3,600	
Importance Code B	\$35,800	\$200	\$200	\$200
Importance Code C	\$4,800			
<b>Total</b>	<b>\$71,000</b>	<b>\$12,100</b>	<b>\$3,800</b>	<b>\$200</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**  
**FDNY BOAT MAINTENANCE @MARINE 6 NAVY YARD BLDG. 295**  
**Asset # : 14939**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Cast in Place Concrete	10%			LIFE	**	5	\$15,900	
Metal Panel	70%			2055	**	5-10	\$76,700	
Metal Coiling Doors	15%	Now	\$55,300	2046	**	5	\$3,700	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Door</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Door</i>								
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Door</i>								
<i>Explanation : Unit Safety Device Malfunction, Unit Scraping Against Housing</i>								
Window Wall	5%			2055	**	5	\$3,000	
<b>Windows</b>								
Metal Louvers	100%			2042	**	10	\$3,600	
<b>Parapets</b>								
Metal Rail	100%			2046	**	5-10	\$30,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Observed From Ground</i>								
<b>Roof</b>								
Not Accessible	100%							
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	90%			LIFE	**	5	\$35,200	
Not Accessible	10%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Mezzanine</i>								
<i>Explanation : No Access, No Stair, No Ladder</i>								
<b>Interior Walls</b>								
Metal Panel	100%			LIFE	**	10	\$4,800	
<b>Ceilings</b>								
Exposed Struc: Steel	100%			LIFE	**	10	\$17,900	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2049	**			
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Asphalt	50%			2038	**			
Cast in Place Concrete	50%			2042	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FDNY BOAT MAINTENANCE @MARINE 6 NAVY YARD BLDG. 295**  
**Asset # : 14939**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Under 600 Volts								
Service Equipment								
	Fused Disc Sw	100%			2059	**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage Area</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Raceway								
	Conduit	100%			2059	**	1	
Panelboards								
	Fused Disc Sw	5%			2054	**	5	
	Fused Disc Sw	5%			2054	**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage Area</i>								
<i>Explanation : For The Solar Panel Photovoltaic Cell</i>								
	Molded Case Bkrs	90%			2054	**	5	\$100
Wiring								
	Thermoplastic	100%			2059	**	1	
Motor Controllers								
	Locally Mounted	100%			2049	**	5	
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$200
Lighting								
Interior Lighting								
	LED	100%			2039	**		
Egress Lighting								
	Emergency, Battery	70%			2039	**	10	\$1,000
	Exit, Service	30%			2039	**	1	
Alarm								
Security System								
	No Component	80%						
	Generic	20%			2039	**	1	\$500
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Heating								
Energy Source								
	Electricity	100%			2059	**	1	
Terminal Devices								
	Fan Coil Unit/Heat	100%			2039	**	1	\$1,900
Air Conditioning								
Energy Source								
	Electricity	100%			2054	**	1	
Plumbing								
Storm Drain Piping								
	Plastic/PVC	100%			2049	**	1	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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**

Print Date : 25-Oct-2018      **FIRE DEPARTMENT - FY 2019**

<b>Asset Name</b>	: FDNY FIRE MUSEUM		
<b>Address</b>	: 278 SPRING ST.		
<b>Borough</b>	: MANHATTAN	<b>Agency's Number</b>	: N/A
<b>Program / Asset #</b>	: FIRSMUS.000 / 14345	<b>Yr Built/Renovated</b>	: 1904 / 1999
<b>Area Sq Ft</b>	: 21,457	<b>Project Type</b>	: FIRE DEPARTMENT
<b>Date of Survey</b>	: 26-May-2015	<b>Landmark Status</b>	: EXTERIOR LANDMARK
<b>Areas Surveyed</b>	: Basement, Roof, Floors 1,2,3		
<b>Block</b>	: 579	<b>Lot</b>	: 11
		<b>BIN</b>	: 1009739

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$130,600	
Electrical	\$392,000	\$36,300
Mechanical		\$37,100
<b>Total</b>	<b>\$522,600</b>	<b>\$73,400</b>
Importance Code A	\$130,600	
Importance Code B	\$392,000	\$73,400
<b>Total</b>	<b>\$522,600</b>	<b>\$73,400</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$53,800	\$4,700	\$1,200	
Interior Architecture	\$66,400	\$1,200		\$4,000
Electrical	\$800	\$5,800	\$2,000	\$2,400
Mechanical	\$17,800	\$34,500	\$12,900	\$3,100
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$142,800</b>	<b>\$50,100</b>	<b>\$20,100</b>	<b>\$13,500</b>
Importance Code A	\$69,000	\$6,600	\$3,000	\$1,800
Importance Code B	\$62,200	\$43,600	\$17,100	\$11,700
Importance Code C	\$11,600			
<b>Total</b>	<b>\$142,800</b>	<b>\$50,100</b>	<b>\$20,100</b>	<b>\$13,500</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**  
**FDNY FIRE MUSEUM**  
**Asset # : 14345**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	50%			LIFE	**	5	\$25,100	
Masonry: Limestone	15%	Now	\$20,300	LIFE	**	5	\$5,600	
<i>Staining/Discoloring, Extent : Light, Area Affected : 25%</i>								
<i>Location : Cornice</i>								
Masonry: Limestone	15%			LIFE	**	5	\$5,600	
Metal Panel	5%			2036	**	5-10	\$17,200	
Granite Panels	5%			LIFE	**	5	\$1,900	
Stucco Cement	10%	Now	\$16,200	2031	**	5	\$6,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stair And Mechanical Room Roof Bulkheads</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Stair And Mechanical Room Bulkheads</i>								
Windows								
Aluminum	90%			2042	**	5	\$2,500	
Wood	10%	Now	\$8,600	2051	**	5	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Roof Bulkheads</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof Bulkheads</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof Bulkheads</i>								
Parapets								
Masonry: Brick	60%	Now	\$5,800	LIFE	**	5	\$1,800	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	40%			LIFE	**	5	\$1,500	
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : Stone Copings Located On South Side Of Roof</i>								
Roof								
Built-Up (BUR)	95%	Now	\$130,600	2031	**			
<i>Air/Water Blisters, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Areas</i>								
<i>Drains Clogged, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : By Front Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	5%	Now	\$2,900	2046	**			
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Memorial Room, 1st Floor</i>								
<i>Explanation : E-coating Is Delaminating On Some Of The Glass Panels</i>								

## 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**  
**FDNY FIRE MUSEUM**  
**Asset # : 14345**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Carpet	25%	Now	\$45,600	2025	\$114,100	3	\$12,000	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
Cast in Place Concrete	43%			LIFE	**	5	\$30,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								
Quarry Tile	2%			2039	**	5	\$1,000	
Sheet Vinyl/Rubber	5%			2031	**	5	\$2,400	
Wood	25%			2054	**	5	\$15,100	
<b>Interior Walls</b>								
Concrete Masonry Unit	25%			LIFE	**	5	\$2,600	
Gypsum Board	40%			LIFE	**	5	\$6,200	
Masonry: Brick	10%			LIFE	**			
Plaster	25%	Now	\$11,600	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Stair Bulkhead At Roof Level</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stair Bulkhead At Roof Level</i>								
<b>Ceilings</b>								
Exposed Concrete	40%	Now	\$9,200	LIFE	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout Basement</i>								
Gypsum Board	55%			LIFE	**	5	\$22,100	
Plaster	5%			LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Penthouse Ceilings</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stair And Equipment Room Bulkheads</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Not Accessible	100%							
<b>Site Pavements</b>								
<b>Parking/Driveway</b>								
Not Accessible	100%							

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2026	\$23,100	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1200 Amp.</i>								

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**FIRE DEPARTMENT - 057**  
**FDNY FIRE MUSEUM**  
**Asset # : 14345**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2026	\$36,300	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1200 Amp.</i>								
Raceway								
Conduit	100%			2026	\$34,900	1		
Panelboards								
Molded Case Bkrs	100%			2034	**	5	\$600	
Wiring								
Braided Cloth	90%			2025	\$27,800	1		
Thermoplastic	10%			2036	**	1		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	15%			2026	\$11,600	10	\$3,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
HID	60%			2021		10	\$400	
Incandescent	25%			2021	\$72,400	2	\$100	
Egress Lighting								
Emergency, Battery	50%			2031	**	10	\$2,600	
Exit, Service	10%			2026	\$600	1		
Exit, Battery	40%			2031	**	10	\$600	
Exterior Lighting								
HID	100%			2031	**	10	\$100	
<b>Alarm</b>								
Security System								
Generic	100%			2021	\$72,200	1	\$8,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fixed Cameras.</i>								
Fire/Smoke Detection								
Generic, Analog	100%	2-4	\$247,300	2036	**	1-3	\$12,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Fire Alarm System Is Over Thirty Years Old</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

Heating

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**FIRE DEPARTMENT - 057**  
**FDNY FIRE MUSEUM**  
**Asset # : 14345**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	1%			2046	**	1		
Natural Gas	99%			2046	**	1		
Conversion Equipment								
Furnace	1%			2031	**	1	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Home Demonstration Area</i>								
<i>Explanation : Electric Unit Heaters</i>								
Furnace	29%			2031	**	1	\$3,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Roof Top Package Unit, Heat Cool</i>								
Steam Boiler	50%	Now	\$14,500	2031	**	1	\$9,600	
<i>Malfunctioning, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 6 Units Piped In Series</i>								
Steam Boiler	20%			2039	**	1	\$4,300	
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$3,600	
Central Plant Steam Piping/Pmp	70%			2046	**	4	\$700	
Terminal Devices								
Convactor/Radiator	100%			2039	**	1	\$6,900	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	70%			2031	**	2	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : R-410a</i>								
Split Unit	5%			2031	**			
Window/Wall Unit	25%			2021	\$11,700	1		
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$27,900	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$12,000	
Exhaust Fans								
Roof	100%			2026	\$37,100	2	\$700	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		

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**FIRE DEPARTMENT - 057**  
**FDNY FIRE MUSEUM**  
**Asset # : 14345**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater Electric	100%			2021	\$19,700	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Explanation : 2 40 Gallon Units</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2020	\$800	4	\$700	
Fixtures								
Generic	100%							
Vertical Transport								
Elevators								
Geared Traction	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st To 3rd Floor</i>								
<i>Explanation : 1 Unit</i>								
Fire Suppression								
Sprinkler Generic	100%			2052	**	1-2	\$6,000	

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : FIRE ACADEMY ADMINISTRATION BLDG #9  
**Address** : RANDALLS ISLAND  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIR0003.080 / 131 **Yr Built/Renovated** : 1975 / 2013  
**Area Sq Ft** : 40,432 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 31-Oct-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,Mez  
**Block** : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$3,271,000	\$175,300
Interior Architecture	\$1,347,500	\$428,800
Electrical	\$474,400	\$578,400
Mechanical		\$64,200
<b>Total</b>	<b>\$5,092,900</b>	<b>\$1,246,600</b>
Importance Code A	\$3,271,000	\$175,300
Importance Code B	\$1,692,200	\$642,500
Importance Code C	\$129,700	\$428,800
<b>Total</b>	<b>\$5,092,900</b>	<b>\$1,246,600</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$5,100			
Interior Architecture	\$201,900	\$18,900		\$7,000
Electrical	\$2,800	\$5,600	\$5,600	\$40,900
Mechanical	\$18,900	\$9,300	\$21,800	\$15,700
<b>Total</b>	<b>\$228,700</b>	<b>\$33,800</b>	<b>\$27,300</b>	<b>\$63,600</b>
Importance Code A	\$7,100	\$2,000	\$2,000	\$2,100
Importance Code B	\$199,200	\$30,700	\$25,300	\$61,500
Importance Code C	\$22,400	\$1,000		
<b>Total</b>	<b>\$228,700</b>	<b>\$33,800</b>	<b>\$27,300</b>	<b>\$63,600</b>



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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	\$322,900	LIFE	**	5	\$93,500	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 0%</i> <i>Location : At Junction Of Metal Tunnel And Concrete At Auditorium Exit</i> <i>Water Penetration, Extent : Severe, Area Affected : 10%</i> <i>Location : At Auditorium, Simulation Room - South Facade</i>								
Metal/Glass Curt Wall	30%	Now	\$908,500	LIFE	**	5	\$35,100	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 75%</i> <i>Location : Throughout North Facade</i> <i>Corrosion/Rusting, Extent : Severe, Area Affected : 60%</i> <i>Location : Throughout North Facade</i> <i>Caulking Deteriorated, Extent : Severe, Area Affected : 75%</i> <i>Location : North Facade At Wall Penetrations And Base Of Building</i> <i>Water Penetration, Extent : Severe, Area Affected : 75%</i> <i>Location : North Facade Wall</i>								
Metal Panel	40%	Now	\$91,500	2038	**	5	\$46,700	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i> <i>Location : Along Wall Base</i> <i>Caulking Deteriorated, Extent : Moderate, Area Affected : 50%</i> <i>Location : Along Wall Base</i> <i>Water Penetration, Extent : Moderate, Area Affected : 50%</i> <i>Location : At Corridor Adjacent To Wall</i> <i>Other Observation, Extent : Light, Area Affected : 10%</i> <i>Location : South Facade At Entry Doors And Connector To Building 11</i> <i>Explanation : Corrugated Metal Panel</i>								
Windows								
Aluminum	100%	Now	\$5,100	2053	**	5	\$100	1
<i>Air Infiltration, Extent : Moderate, Area Affected : 40%</i> <i>Location : North Facade - Plexiglass Panes</i> <i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i> <i>Location : Throughout</i> <i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 40%</i> <i>Location : Throughout</i> <i>Caulking Deteriorated, Extent : Moderate, Area Affected : 50%</i> <i>Location : All Windows</i> <i>Water Penetration, Extent : Severe, Area Affected : 40%</i> <i>Location : Underside Of Sills At Curtain Wall - North Facade</i>								

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**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY ADMINISTRATION BLDG #9**  
**Asset # : 131**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Roof								
Metal Panel	97%	Now	\$1,948,000	2048		**		
<i>Deformed/Dented, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Roof Surface</i>								
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : South Side Above Exit Tunnels And Landscaped Berms</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Roof Surface</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Above Main Corridor - North Side</i>								
Skylight, Metal/Glass	3%			2048		**	10	\$17,400
Interior								
Floors								
Carpet	15%	0-2	\$145,600	2030		**	3	\$16,800
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Auditorium</i>								
Cast in Place Concrete	13%	Now	\$30,800	LIFE		**	5	\$21,200
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Slab Settlements At Entrances To South And The North West Corner</i>								
Ceramic Tile	2%			2031		**	5	\$1,500
Vinyl Tile	50%			2033		**	3	\$14,000
Vinyl Tile	15%	Now	\$97,000	2038		**	3	\$4,200
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Mezzanine, Kitchen, Staff Lounge, Simulator Room</i>								
Wood	5%			2056		**	5	\$7,000

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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**  
**FIRE ACADEMY ADMINISTRATION BLDG #9**  
**Asset # : 131**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	5%	Now	\$40,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Entrances To South</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Simulator Room</i>								
Ceramic Tile	5%	0-2	\$17,400	2031	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair To Mezzanine</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stair To Mezzanine</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Locker Rooms And Bathrooms</i>								
Concrete Masonry Unit	48%	2-4	\$89,800	LIFE	**	5	\$7,900	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Corridors - 1st Floor And Stair F</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Base Of Walls - 1st Floor Corridors</i>								
Fabric on Framing	10%			2026	\$428,800	5	\$2,100	
Glass: Single Pane	2%			LIFE	**	5	\$600	
Gypsum Board	20%	Now	\$3,500	LIFE	**	5	\$5,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Simulator Room</i>								
Masonry: Brick	5%			LIFE	**			
Metal Panel	5%	2-4	\$1,500	LIFE	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
AcousTileConcealSpLn	5%	2-4	\$3,100	2033	**	5	\$2,300	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Male Locker Room</i>								
AcousTileSusp.Lay-In	24%			2041	**	5	\$17,900	
Exposed Struc: Steel	70%	Now	\$1,120,800	LIFE	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 30%</i>								
<i>Location : Above Main Corridor - North Side, Stair F</i>								
Plaster	1%			LIFE	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Chief Office</i>								
<i>Explanation : Stucco Ceiling</i>								
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	30%			2041	**			
Pavers/Stone	70%			2037	**			
<b>Parking/Driveway</b>								
Asphalt	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**  
**FIRE ACADEMY ADMINISTRATION BLDG #9**  
**Asset # : 131**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
	Air Circuit Breaker	30%			2054	**	5	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Electrical Room 2</i>							
	<i>Explanation : Emergency Main Service Rated At 2000 Amperes.</i>							
	Fused Disc Sw	50%			2028	\$18,900	5	\$100
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Electrical Room 1</i>							
	<i>Explanation : Main Service Switch Rated At 4000 Amperes.</i>							
	Fused Disc Sw	20%			2028	\$7,600	5	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Electrical Room 1</i>							
	<i>Explanation : Main Service Disconnect Switch Rated At 1200 Amperes, Serving Building No.7.</i>							
<hr/>								
<b>Transformers</b>								
	Dry Type	100%			2026	\$16,100	5	\$100
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Electrical Room 1</i>							
	<i>Explanation : 112.5 Kilo-volt-ampere, 220 Volts Primary - 480/277 Volts Secondary</i>							
<hr/>								
<b>Switchgear / Switchboard</b>								
	Fused Disc Sw	70%			2028	\$104,700	5	\$100
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Electrical Room 1</i>							
	<i>Explanation : 4- Vertical Sections Of Distribution Board.</i>							
	Molded Case Bkrs	30%			2054	**	5	\$300
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Electrical Room 2</i>							
	<i>Explanation : 1- Vertical Section</i>							
<hr/>								
<b>Raceway</b>								
	Conduit	95%			2028	\$84,400	1	
	Conduit	5%			2054	**	1	
<hr/>								
<b>Panelboards</b>								
	Fused Disc Sw	5%			2027	\$4,600	5	
	Molded Case Bkrs	90%			2027	\$82,400	5	\$1,000
	Molded Case Bkrs	5%			2050	**	5	\$100
<hr/>								
<b>Wiring</b>								
	Thermoplastic	95%			2028	\$114,200	1	
	Thermoplastic	5%			2054	**	1	
<hr/>								
<b>Motor Controllers</b>								
	Locally Mounted	5%			2045	**	5	
	Motor Control Center	90%			2026	\$86,800	5	\$1,000
	Variable Frequency Drive	5%			2045	**		
<hr/>								
<b>Ground</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**  
**FIRE ACADEMY ADMINISTRATION BLDG #9**  
**Asset # : 131**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Meter Room</i>								
<i>Explanation : Connected To Metal Water Pipe.</i>								
<b>Stand-by Power</b>								
Transfer Switches Automatic	100%			2045	**	1	\$12,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room 2</i>								
<i>Explanation : 3 Automatic Transfer Switches Rated At 1200 Amperes, 1600 Amperes And 800 Amperes</i>								
Generators Diesel	100%			2041	**	1	\$15,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside The Building</i>								
<i>Explanation : Emergency Generator Rated At 810kw</i>								
Batteries Lead/Acid	100%			2023	\$1,500	5	\$1,500	
Fuel Storage Main Tank	100%			2063	**	5	\$1,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 1382 Gallons Rated Capacity</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	20%			2023	\$47,000	10	\$7,400	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Hallways, Electrical Room</i>								
Fluorescent	40%			2033	**	10	\$14,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Offices, Conference Room</i>								
Fluorescent	20%			2036	**	10	\$7,400	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hallways</i>								
LED	20%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Atrium And Hallways</i>								
<i>Explanation : LED Light Fixtures</i>								
<b>Egress Lighting</b>								
Emergency, Service	35%			2023	\$7,100	1		
Emergency, Service	40%			2036	**	1		
Exit, LED	5%			2063	**	1		
Exit, Service	20%			2023	\$2,800	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**  
**FIRE ACADEMY ADMINISTRATION BLDG #9**  
**Asset # : 131**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Lighting**

## Exterior Lighting

## Fluorescent

80%

2028

\$105,800

10

\$3,000

*T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%  
Location : Outside*

## HID

10%

2028

\$15,600

10

*Other Observation, Extent : Moderate, Area Affected : 100%  
Location : Outside*

*Explanation : 4 HID Light Fixtures Controlled By Timer Switch*

## LED

10%

2036

\* \*

*Other Observation, Extent : Moderate, Area Affected : 100%  
Location : Outside*

*Explanation : LED Light Fixtures*

**Alarm**

## Fire/Smoke Detection

## Generic, Analog

100%

Now

\$427,400

2038

\* \*

1-3

\$22,700

*Other Observation, Extent : Severe, Area Affected : 100%  
Location : Throughout The Building*

*Explanation : The Fire Alarm System Is Not Functional; Alarm Bells, Manual Pull Stations,  
Smoke Detectors*

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

## Energy Source

## Fuel Oil No 2

100%

2038

\* \*

5

\$12,500

## Conversion Equipment

## Hot Water Boiler

50%

2045

\* \*

1

\$10,000

*Other Observation, Extent : Light, Area Affected : 100%  
Location : Boiler Room*

*Explanation : 1 Unit*

## Hot Water Boiler

50%

2033

\* \*

1

\$10,000

*Other Observation, Extent : Moderate, Area Affected : 50%  
Location : Boiler Room*

*Explanation : 1 Unit*

## Distribution

## Hot Wtr Piping/Pump

100%

0-2

\$3,000

2036

\* \*

4

\$2,000

*Insul. Deteriorating, Extent : Severe, Area Affected : 100%  
Location : Throughout*

## Terminal Devices

## Air Handler

70%

2036

\* \*

1

\$17,500

## Convactor/Radiator

30%

2033

\* \*

1

\$3,900

**Air Conditioning**

## Energy Source

## Electricity

100%

2036

\* \*

1

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.*

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*\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY ADMINISTRATION BLDG #9**  
**Asset # : 131**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
<b>Conversion Equipment</b>								
	Reciprocating Compr/Chiller	100%			2036	**	1	\$18,800
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Courtyard</i>								
<i>Explanation : Using 4101 Refrigerant.</i>								
<b>Distribution</b>								
	CW & CHW Wtr Pipe/Pump	100%			2054	**	4	\$2,000
<b>Terminal Devices</b>								
	Air Handler/Cool/Ht	100%			2036	**	1	\$25,000
<b>Heat Rejection</b>								
	Air Cooled Condenser Unit	100%			2036	**	2	\$28,200
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$22,500
<b>Exhaust Fans</b>								
	Roof	100%			2028	\$64,200	2	\$1,200
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%			2038	**	1	
<b>Water Heater</b>								
	Electric	100%			2027	\$34,000	4	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
<b>Sanitary Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Storm Drain Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Sump Pump(s)</b>								
	Submersible	100%			2022	\$1,300	4	\$900
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 1 Unit</i>								
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
<b>Sprinkler</b>								
	Generic	100%			2038	**	1-2	\$11,300

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Print Date : 25-Oct-2018 **FIRE DEPARTMENT - FY 2019**

**Asset Name** : FIRE ACADEMY BURN BUILDING #5  
**Address** : RANDALLS ISLAND  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIR0003.013 / 13554 **Yr Built/Renovated** : 2003 /  
**Area Sq Ft** : 6,083 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 02-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 1819 **Lot** : 40 **BIN** : 1085912

**CAPITAL**

**Total**

Importance Code

**Total**

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture				\$8,400
Interior Architecture				
Electrical		\$100		
Mechanical		\$100		\$100
<b>Total</b>		<b>\$100</b>		<b>\$8,500</b>
Importance Code A				\$8,400
Importance Code B		\$100		\$100
Importance Code C				
<b>Total</b>		<b>\$100</b>		<b>\$8,500</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**  
**FIRE ACADEMY BURN BUILDING #5**  
**Asset # : 13554**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Cast in Place Concrete	5%			LIFE	**	5	\$4,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 2 Story Building, No Basement. This Is A Fire Demonstration Building. No Repair Needed.</i>								
Masonry: Brick	95%			LIFE	**	5	\$15,400	
<b>Windows</b>								
Aluminum	50%			2044	**	5	\$200	
Metal Louvers	50%			2037	**	10	\$1,500	
<b>Parapets</b>								
Not Accessible	100%							
<b>Roof</b>								
Modified Bitumen	100%			2033	**	10	\$8,400	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	100%			LIFE	**	5	\$19,900	
<b>Interior Walls</b>								
Cast in Place Concrete	20%			LIFE	**			
Concrete Masonry Unit	80%			LIFE	**	5	\$2,500	
<b>Ceilings</b>								
Exposed Concrete	100%			LIFE	**	5	\$1,400	
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
<b>Raceway</b>								
Conduit	100%			2038	**	1		
<b>Panelboards</b>								
Fused Disc Sw	50%			2036	**	5	\$100	
Molded Case Bkrs	50%			2036	**	5	\$100	
<b>Wiring</b>								
Thermoplastic	100%			2038	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2033	**	5		
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	90%			2028	\$12,300	10	\$5,000	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	10%			2028	\$1,400	10	\$600	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY BURN BUILDING #5**  
**Asset # : 13554**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Lighting

## Exterior Lighting

## HID

	100%			2028	\$23,400	10	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Roof And Perimeter Of The Building**Explanation : 16 HID Light Fixtures Controlled By Timer Switch*

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Air Conditioning

## Energy Source

## Electricity

	20%			2044	* *	1	
--	-----	--	--	------	-----	---	--

## No Component

80%

## Conversion Equipment

## Split Unit

	5%			2033	* *		
--	----	--	--	------	-----	--	--

## No Component

95%

## Ventilation

## Exhaust Fans

## Roof

	100%			2033	* *	2	\$200
--	------	--	--	------	-----	---	-------

## Plumbing

## H/C Water Piping

## Galvanized Steel

	10%			2041	* *	1	
--	-----	--	--	------	-----	---	--

*Other Observation, Extent : Light, Area Affected : 10%**Location : 1st And 2nd Floors**Explanation : Standpipe Only*

## No Component

90%

## Fire Suppression

## Standpipe

## No Component

90%

## Generic

	10%			2048	* *	1-5	\$300
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*Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.*

*\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : FIRE ACADEMY CLASSROOM BLDG. #11  
**Address** : RANDALLS ISLAND  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIR0003.011 / 13552 **Yr Built/Renovated** : 2003 /  
**Area Sq Ft** : 39,768 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 31-Oct-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2,3,4  
**Block** : 1819 **Lot** : 40 **BIN** : 1085910

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$113,200	\$157,900
Mechanical		\$309,400
<b>Total</b>	<b>\$113,200</b>	<b>\$467,200</b>
Importance Code A	\$113,200	\$157,900
Importance Code B		\$309,400
<b>Total</b>	<b>\$113,200</b>	<b>\$467,200</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$23,500	\$4,300		\$19,700
Interior Architecture	\$3,000	\$16,800	\$4,500	\$2,200
Electrical	\$4,900	\$5,700	\$4,900	\$38,000
Mechanical	\$10,600	\$5,300	\$9,700	\$11,500
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$46,000</b>	<b>\$36,000</b>	<b>\$23,100</b>	<b>\$75,400</b>
Importance Code A	\$25,500	\$6,300	\$2,000	\$22,200
Importance Code B	\$20,500	\$29,700	\$21,100	\$53,200
Importance Code C				
<b>Total</b>	<b>\$46,000</b>	<b>\$36,000</b>	<b>\$23,100</b>	<b>\$75,400</b>



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
 \*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY CLASSROOM BLDG. #11**  
**Asset # : 13552**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick Cavity	50%	0-2	\$67,100	LIFE	**	5	\$35,100	
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North Facade</i>								
Metal Panel	35%			2048	**	5-10	\$168,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Connector From Building 9 To 11 And At Mechanical Penthouse</i>								
<i>Explanation : Corrugated Metal Panel</i>								
Window Wall	15%			2048	**	5	\$39,500	
Windows								
Aluminum	95%	Now	\$10,800	2044	**	5	\$6,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Stair Landing - South Facade</i>								
Metal Louvers	5%			2037	**	10	\$4,200	
Parapets								
Concrete Masonry Unit	82%			LIFE	**	5	\$7,300	
Metal Panel	5%	0-2	\$600	2048	**	5	\$800	
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping Cap</i>								
Metal Rail	5%			2041	**	5-10	\$7,100	
Pre-Cast Concrete	8%			LIFE	**	5	\$3,900	
Roof								
IRMA/Protected Membrane	100%	Now	\$12,100	2033	**			
<i>Broken Paver Blocks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Roof Top Walkways</i>								
<i>Debris Present, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Roof Top</i>								
<i>Insul Miss/Displaced, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Paver Block Ballast, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof Top Walkways</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Lower Roof - North West Corner Of Building - Above New Cafeteria</i>								
Interior								
Floors								
Carpet	5%			2027	\$38,800	3	\$4,500	
Cast in Place Concrete	10%			LIFE	**	5	\$13,000	
Ceramic Tile	15%			2037	**	5	\$8,900	
Sheet Vinyl/Rubber	5%			2033	**	5	\$4,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Gymnasium Floor</i>								
Vinyl Tile	65%			2033	**	3	\$14,500	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY CLASSROOM BLDG. #11**  
**Asset # : 13552**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Interior

## Interior Walls

Concrete Masonry Unit	45%			LIFE	**	5	\$5,800	
Gypsum Board	35%			LIFE	**	5	\$6,800	
Masonry: Brick	13%			LIFE	**			

*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Throughout*

*Explanation : Component Is Actually A Veneer*

Metal Panel	7%			LIFE	**			
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## Ceilings

AcousTileSusp.Lay-In	35%			2041	**	5	\$20,900	
Exposed Struc: Steel	50%			LIFE	**			
Metal Panel	15%	Now	\$3,000	LIFE	**	5	\$11,200	

*Water Penetration, Extent : Severe, Area Affected : 5%*

*Location : Drop Soffit At North West Corner Of New Cafeteria*

## Site Pavements

## On-Site Walkways

Cast in Place Concrete	100%			2041	**			
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## Parking/Driveway

Asphalt	100%			2037	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Molded Case Bkrs	100%			2048	**	5	\$1,000	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Electrical Room*

*Explanation : Main Service Disconnect Switch Rated At 1200 Amperes*

## Switchgear / Switchboard

Molded Case Bkrs	100%			2048	**	5	\$1,000	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Electrical Room*

*Explanation : Nameplate Rating: 2 Sections With Main Bus Rating Of 1200 Amperes.*

## Raceway

Conduit	100%			2048	**	1		
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## Panelboards

Fused Disc Sw	10%			2044	**	5	\$100	
Molded Case Bkrs	90%			2044	**	5	\$900	

## Wiring

Thermoplastic	100%			2048	**	1		
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## Motor Controllers

Variable Frequency Drive	100%			2041	**			
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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**  
**FIRE ACADEMY CLASSROOM BLDG. #11**  
**Asset # : 13552**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Water Meter Room</i>								
<i>Explanation : Connected To Metal Water Pipe</i>								
<b>Stand-by Power</b>								
Transfer Switches Automatic	100%			2041	**	1	\$12,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Asco 7000 Series; No Available Nameplate Ampere Ratings</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	85%			2033	**	10	\$31,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps And Controlled By Occupancy Sensors</i>								
LED	15%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cafeteria, Hallways</i>								
<i>Explanation : LED Light Fixtures Are Controlled By Occupancy Sensors</i>								
<b>Egress Lighting</b>								
Emergency, Service	50%			2033	**	1		
Emergency, Battery	10%			2033	**	10	\$1,000	
Exit, LED	40%			2056	**	1		
<b>Exterior Lighting</b>								
HID	55%			2033	**	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 6 HID Light Fixtures And Controlled By Photocells</i>								
LED	45%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 5 LED Light Fixtures Are Controlled By Photocells</i>								
<b>Alarm</b>								
Security System Generic	100%			2033	**	1	\$14,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 CCTV Surveillance Cameras</i>								
Fire/Smoke Detection Generic, Digital	100%			2033	**	1-3	\$24,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Horns, Manual Pull Stations, Smoke Detectors And Alarm Bells</i>								

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**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY CLASSROOM BLDG. #11**  
**Asset # : 13552**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2048	**	5	\$12,300	
Conversion Equipment								
Hot Water Boiler	100%			2041	**	1	\$19,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 2 Units - Also Serviing Adjacent Building #12 As Well.</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2044	**	4	\$2,900	
Terminal Devices								
Air Handler	80%			2033	**	1	\$19,700	
Convactor/Radiator	20%			2041	**	1	\$2,600	
Air Conditioning								
Energy Source								
Electricity	100%			2044	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	80%			2028	\$246,300	2	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units</i>								
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$22,200	
Exhaust Fans								
Roof	100%	Now	\$3,200	2028	\$63,100	2	\$1,000	
<i>Noisy/Vibrating, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Roof</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	**	1		
Water Heater								
Oil Fired	100%			2028	\$31,600	1	\$1,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : Two 250 Gallon Tanks</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY CLASSROOM BLDG. #11**  
**Asset # : 13552**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Backflow Preventer Generic	100%			2033	**	1	\$2,400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Water Meter Room</i>								
<i>Explanation : Two Units. One For Sprinkler And One For Water Main.</i>								
	Fixtures Generic	100%						
Vertical Transport	Elevators Geared Traction	100%			LIFE	**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st To 4th Floor</i>								
<i>Explanation : One Unit</i>								
Fire Suppression	Sprinkler Generic	100%			2048	**	1-2	\$11,100

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : FIRE ACADEMY FIRE TRAINING BLDG #3  
**Address** : RANDALLS ISLAND  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIR0003.020 / 1989 **Yr Built/Renovated** : 1975 /  
**Area Sq Ft** : 4,150 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 10-Jul-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$87,900
<b>Total</b>		<b>\$87,900</b>
Importance Code A		\$87,900
<b>Total</b>		<b>\$87,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$43,300			
Interior Architecture	\$27,200			
Electrical				\$100
Mechanical				
<b>Total</b>	<b>\$70,500</b>			<b>\$100</b>
Importance Code A	\$43,300			
Importance Code B	\$22,600			\$100
Importance Code C	\$4,700			
<b>Total</b>	<b>\$70,500</b>			<b>\$100</b>



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
 \*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY FIRE TRAINING BLDG #3**  
**Asset # : 1989**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	90%			LIFE	**	5	\$28,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Is Used As A Training Apparatus For The Fire Department</i>								
Metal Coiling Doors	10%	0-2	\$9,200	2034	**	5	\$2,500	
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Windows</b>								
Aluminum	100%	2-4	\$16,000	2037	**	5	\$400	2
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Is Used As A Training Apparatus For The Fire Department</i>								
<b>Parapets</b>								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$1,400	
Masonry: Brick	90%			LIFE	**	5-10	\$3,100	
<b>Roof</b>								
Modified Bitumen	100%			2029		10	\$6,300	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	100%			LIFE	**	5	\$26,700	
<b>Interior Walls</b>								
Concrete Masonry Unit	100%			LIFE	**	5	\$9,300	
<b>Ceilings</b>								
Exposed Concrete	100%			LIFE	**	5-10	\$10,600	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
<b>Raceway</b>								
Conduit	100%			2039	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2028		5	\$100	
<b>Wiring</b>								
Thermoplastic	100%			2029		1		
<b>Lighting</b>								
<b>Exterior Lighting</b>								
HID	100%			2034	**	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</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**  
**FIRE ACADEMY FIRE TRAINING BLDG #3**  
**Asset # : 1989**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>	
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Plumbing</b>									
	H/C Water Piping								
	Galvanized Steel	10%			2034	**	1		
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
			<i>Location : 2 Floors</i>						
			<i>Explanation : For Demonstration - Standpipe Only</i>						
	No Component	90%							
	Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1		
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
			<i>Location : 1, 2, Roof</i>						
			<i>Explanation : Roof Drains Only</i>						
<b>Fire Suppression</b>									
	Standpipe								
	No Component	90%							
	Generic	10%			2039	**	1-5	\$200	

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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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 01-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$316,100	
Electrical		\$46,300
<b>Total</b>	<b>\$316,100</b>	<b>\$46,300</b>
Importance Code A	\$316,100	
Importance Code B		\$46,300
<b>Total</b>	<b>\$316,100</b>	<b>\$46,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$23,200	\$100		
Interior Architecture	\$19,700	\$1,400	\$500	
Electrical	\$1,900	\$300	\$400	\$27,000
Mechanical	\$2,200	\$800	\$1,600	\$17,600
Site Pavements	\$300			
<b>Total</b>	<b>\$47,300</b>	<b>\$2,600</b>	<b>\$2,500</b>	<b>\$44,600</b>
Importance Code A	\$23,600	\$600	\$500	\$500
Importance Code B	\$23,400	\$2,100	\$1,900	\$44,100
Importance Code C	\$300		\$200	
<b>Total</b>	<b>\$47,300</b>	<b>\$2,600</b>	<b>\$2,500</b>	<b>\$44,600</b>



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 \*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8**  
**Asset # : 1992**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick Cavity	83%	0-2	\$133,500	LIFE	**	5	\$17,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East/ South Façade At Windows, Base Of Building, Chimney Flue, Various Locations And West Façade At Entry Door</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Wall Penetrations</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Door Thresholds At South Facade</i>								
Weathering Steel	7%			LIFE	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Facade</i>								
<i>Explanation : This Is An Exterior Egress Stair</i>								
Wood Overhead Doors	10%	Now	\$13,600	2033	**	5	\$5,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North Facade</i>								
Windows								
Aluminum	70%	Now	\$4,700	2036	**	5	\$200	
<i>Air Infiltration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : All Windows</i>								
<i>Bent/Warped Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Window Sills</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Windows</i>								
Aluminum	30%			2036	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Ground Floor</i>								
<i>Explanation : Protective Metal Grilles</i>								
Parapets								
Masonry: Brick Cavity	90%	0-2	\$4,500	LIFE	**	5	\$1,900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations - Exterior Parapet Wall</i>								
Pre-Cast Concrete	10%	0-2	\$400	LIFE	**	5	\$1,300	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Coping Stones</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 20%</i>								
<i>Location : Coping Stones</i>								

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**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8**  
**Asset # : 1992**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	100%	Now	\$182,600	2038	**			
<i>Blisters, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Perimeter Flashing, Lower Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Upper And Lower Roofs</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bathroom And First Floor Room 1</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Upper And Lower Roofs</i>								
Interior								
Floors								
Cast in Place Concrete	30%	0-2	\$7,700	LIFE	**	5	\$8,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Thresholds Below Overhead Doors And Apparatus Floor</i>								
Ceramic Tile	5%			2037	**	5	\$600	
Quarry Tile	5%			2041	**	5	\$900	
Vinyl Tile	60%			2033	**	3	\$2,700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 40%</i>								
<i>Location : First Floor</i>								
Interior Walls								
Ceramic Tile	5%			2037	**	5	\$400	
Concrete Masonry Unit	60%			LIFE	**	5	\$1,900	
Gypsum Board	15%			LIFE	**	5	\$700	
SGFT/Glazed Masonry	20%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	60%	2-4	\$12,000	2041	**	5	\$3,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Meter Room, Logistics/ Hazmat, Office Area</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Room 1</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Room 1, 2nd Floor Bathroom</i>								
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	15%			LIFE	**	5	\$2,300	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2048	**			
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**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Site Pavements

## On-Site Walkways

Cast in Place Concrete	100%	Now	\$300	2041		**		
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*Cracking/Crumbling, Extent : Light, Area Affected : 15%**Location : Apron At Overhead Doors And Entry Pad (South)*

## Parking/Driveway

Asphalt	100%			2037		**		
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<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2028	\$2,600	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Electrical Room**Explanation : 2- Main Service Switches Rated At 400 Amperes Each.*

## Raceway

Conduit	100%			2028	\$14,200	1		
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## Panelboards

Fused Disc Sw	10%			2027	\$2,300	5		
Molded Case Bkrs	80%			2027	\$18,300	5	\$200	
Molded Case Bkrs	10%			2036	**	5		

## Wiring

Thermoplastic	100%			2028	\$18,900	1		
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## Motor Controllers

Locally Mounted	100%			2026	\$46,300	5	\$100	
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Water Meter Room**Explanation : Connected To Metal Water Pipe*

## Stand-by Power

## Transfer Switches

Automatic	100%			2026	\$22,400	1	\$3,000	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Electrical Room**Explanation : No Available Amperage Nameplate Rating*

## Lighting

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.*

*Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.*

*\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8**  
**Asset # : 1992**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting Fluorescent	75%			2023	\$16,200	10	\$6,600	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	20%			2028	\$4,300	10	\$1,800	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Hallway And 2nd Floor</i>								
Fluorescent	5%	Now	\$1,100	2038		**		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Locker Room</i>								
<i>Explanation : Not Functional : T12 Lamps</i>								
<b>Egress Lighting</b>								
Emergency, Service	80%			2023	\$3,900	1		
Exit, Service	20%	Now	\$500	2038		**		1
<i>Not Functioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<b>Exterior Lighting</b>								
HID	100%			2036		**		10
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 8 HID Light Fixtures Controlled By Photocell</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Fuel Oil No 2	100%			2038		**	\$3,000	
Conversion Equipment Hot Water Boiler	100%			2033		**	\$4,700	
<i>Boiler Used For Hot Water, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Distribution Hot Wtr Piping/Pump	100%			2036		**	\$700	
Terminal Devices Air Handler	20%			2028	\$25,800	1	\$1,200	
Convector/Radiator	70%			2033		**	\$2,200	
Unit Heater - Steam	10%			2028	\$3,300	4	\$100	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2036		**		1

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**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8**  
**Asset # : 1992**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Air Conditioning</b>								
Conversion Equipment								
	Window/Wall Unit	80%		2023	\$15,300	1		
	No Component	20%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	100%		LIFE	**	2-5	\$5,400	
Exhaust Fans								
	Roof	20%		2028	\$3,000	2	\$100	
	No Component	80%						
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%		2038	**	1		
Sanitary Piping								
	Cast Iron	100%		LIFE	**	1		
Storm Drain Piping								
	Cast Iron	100%		LIFE	**	1		
Sewage Ejector(s)								
	Electric	100%	Now	\$1,100	2033	**	4	\$400
<i>Broken, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Sewer Ejectors Located In Pit Adjacent To Building, One Pump Out Of Service And Another Has Float Problem</i>								
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
Sprinkler								
	No Component	85%						
	Generic	15%		2038	**	1-2	\$400	

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : FIRE ACADEMY MASK SERVICE UNIT BLDG #7  
**Address** : RANDALLS ISLAND  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIR0003.060 / 1991 **Yr Built/Renovated** : 1975 / 2004  
**Area Sq Ft** : 10,534 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 01-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 1819 **Lot** : 40 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$49,000
Electrical		\$123,400
Mechanical	\$75,400	\$77,600
<b>Total</b>	<b>\$75,400</b>	<b>\$250,000</b>
Importance Code A		\$126,600
Importance Code B	\$75,400	\$123,400
<b>Total</b>	<b>\$75,400</b>	<b>\$250,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$31,500	\$1,600		\$400
Interior Architecture	\$33,500	\$1,500	\$200	\$300
Electrical	\$700	\$900	\$2,600	\$10,400
Mechanical	\$1,400	\$1,000	\$2,000	\$13,600
<b>Total</b>	<b>\$67,200</b>	<b>\$5,000</b>	<b>\$4,700</b>	<b>\$24,700</b>
Importance Code A	\$32,000	\$2,100	\$500	\$900
Importance Code B	\$33,000	\$2,900	\$4,200	\$23,800
Importance Code C	\$2,200			
<b>Total</b>	<b>\$67,200</b>	<b>\$5,000</b>	<b>\$4,700</b>	<b>\$24,700</b>



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**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY MASK SERVICE UNIT BLDG #7**  
**Asset # : 1991**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick Cavity	57%			LIFE	**	5	\$4,000	
Masonry: Brick Cavity	25%	0-2	\$6,600	LIFE	**	5	\$1,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Story And Rear Walls</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : At Expansion Joints And Window Openings</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout Side And Rear Elevations</i>								
Metal Sect. OHD	15%			2041	**	5	\$3,300	
Window Wall	3%			2048	**	5	\$800	
Windows								
Aluminum	65%	Now	\$2,000	2053	**	5		1
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Story And Rear Windows At Sills</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Story</i>								
Aluminum	35%			2044	**	5		
Parapets								
Masonry: Brick Cavity	60%			LIFE	**	5	\$1,700	
Masonry: Brick Cavity	25%			LIFE	**	5	\$700	
Pre-Cast Concrete	10%			LIFE	**	5	\$1,800	
Pre-Cast Concrete	5%			LIFE	**	5	\$900	
Roof								
Built-Up (BUR)	30%			2028		10	\$3,500	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Wood Deck</i>								
Modified Bitumen	70%	Now	\$22,800	2033	**			
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Roof Above First Floor Offices</i>								
<i>Ponding, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Roof Above First Floor Offices</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Roof Above First Floor Offices</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$5,500	
Cast in Place Concrete	10%			LIFE	**	5	\$1,400	
Ceramic Tile	5%			2037	**	5	\$300	
Quarry Tile	5%			2041	**	5	\$500	
Vinyl Tile	40%	0-2	\$4,400	2028		3	\$900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Various Work Rooms Throughout, 2nd Story Stairs</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY MASK SERVICE UNIT BLDG #7**  
**Asset # : 1991**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Interior

## Interior Walls

Ceramic Tile	3%			2037	**	5	\$100
Concrete Masonry Unit	42%			LIFE	**	5	\$500
Gypsum Board	15%			LIFE	**	5	\$200
SGFT/Glazed Masonry	40%	Now	\$2,200	LIFE	**		

*Cracking/Crumbling, Extent : Moderate, Area Affected : 5%*

*Location : Apparatus Room*

## Ceilings

AcousTileSusp.Lay-In	40%			2041	**	5	\$2,500
Exposed Struc: Steel	40%	0-2	\$27,000	LIFE	**		
Exposed Struc: Steel	10%			LIFE	**		
Gypsum Board	10%			LIFE	**	5	\$800

*Paint Peeling, Extent : Moderate, Area Affected : 50%*

*Location : Throughout Ceiling Of Original Building*

## Site Pavements

## Parking/Driveway

Asphalt	100%			2031	**		
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<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2048	**	5	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Electrical Room*

*Explanation : 2- Main Service Disconnect Switches Rated At 400 Amperes Each.*

## Switchgear / Switchboard

Molded Case Bkrs	100%			2028	\$82,800	5	\$300
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## Raceway

Conduit	75%			2028	\$17,000	1	
Conduit	25%			2048	**	1	

## Panelboards

Fused Disc Sw	10%			2027	\$3,100	5	
Molded Case Bkrs	65%			2027	\$19,800	5	\$200
Molded Case Bkrs	25%			2044	**	5	\$100

## Wiring

Thermoplastic	75%			2028	\$18,600	1	
Thermoplastic	25%			2048	**	1	

## Motor Controllers

Locally Mounted	100%			2033	**	5	\$100
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## Ground

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.*

*Estimates are rounded to the nearest hundred dollars.*

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*\*\* 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**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Ground</b>								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$200
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Water Meter Room</i>						
		<i>Explanation : Connected To Metal Water Pipe</i>						
<b>Stand-by Power</b>								
	Transfer Switches							
	Automatic	100%			2041	**	1	\$3,200
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : No Available Amperage Nameplate Rating</i>						
	Generators							
	Diesel	100%			2037	**	1	\$4,100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : Emergency Generator Rated At 425kva. Supplies Emergency Power To Buildings No. 6,7,8,10,14</i>						
	Batteries							
	Lead/Acid	100%			2022	\$1,500	5	\$400
	Fuel Storage							
	Main Tank	100%			2056	**	5	\$300
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside/ Generator Area</i>						
		<i>Explanation : Belly Tank; 700 Gallons Rated Capacity</i>						
<b>Lighting</b>								
	Interior Lighting							
	Fluorescent	4%			2033	**	10	\$400
		<i>T-5 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Office</i>						
	Fluorescent	92%			2033	**	10	\$8,900
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
	Fluorescent	2%			2033	**	10	\$200
		<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Hallway</i>						
	HID	2%			2033	**	10	
	Egress Lighting							
	Emergency, Service	40%			2028	\$2,100	1	
	Emergency, Battery	20%			2028	\$2,900	10	\$500
	Exit, Service	40%			2028	\$1,200	1	
	Exterior Lighting							
	HID	100%			2028	\$40,600	10	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 12 HID Light Fixtures Controlled By Photocell</i>						

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**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY MASK SERVICE UNIT BLDG #7**  
**Asset # : 1991**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Fuel Oil No 2	100%			2038	**	5	\$3,300	
Conversion Equipment								
Hot Water Boiler	100%			2026	\$77,600	1	\$5,200	
<i>Boiler Used For Hot Water, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2036	**	4	\$800	
Terminal Devices								
Convactor/Radiator	30%			2026	\$16,200	1	\$1,000	
Fan Coil Unit/Heat	50%			2023	\$75,400	1	\$1,700	
Fan Coil Unit/Heat	20%			2036	**	1	\$700	
Air Conditioning								
Energy Source								
Electricity	100%			2036	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2036	**	2	\$100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<i>Explanation : Using 410a Refrigerant</i>								
Split Unit	10%			2028	\$21,500			
Window/Wall Unit	40%			2023	\$8,400	1		
No Component	30%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2028	\$13,400	1	\$300	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	80%			LIFE	**	2-5	\$4,700	
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,200	
<i>Recent Installation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Exhaust Fans								
Roof	100%			2028	\$16,700	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2038	**	1		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY MASK SERVICE UNIT BLDG #7**  
**Asset # : 1991**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	Backflow Preventer							
	Generic	100%			2023	\$2,600	1	\$600
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Backflow Preventor Only With Sprinkler System.</i>					
Fixtures								
	Generic	100%						
Fire Suppression								
	Sprinkler							
	No Component	75%						
	Generic	25%			2038	**	1-2	\$700

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14  
**Address** : RANDALLS ISLAND  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIR0003.014 / 13719 **Yr Built/Renovated** : 2005 /  
**Area Sq Ft** : 5,753 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 02-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 1819 **Lot** : 40 **BIN** :

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture		\$2,400		\$16,100
Interior Architecture		\$500		
Electrical				\$5,200
Mechanical	\$17,800	\$600	\$900	\$1,400
<b>Total</b>	<b>\$17,800</b>	<b>\$3,500</b>	<b>\$900</b>	<b>\$22,800</b>
Importance Code A	\$300	\$2,700	\$300	\$16,400
Importance Code B	\$17,500	\$900	\$600	\$6,300
Importance Code C				
<b>Total</b>	<b>\$17,800</b>	<b>\$3,500</b>	<b>\$900</b>	<b>\$22,800</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**  
**FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14**  
**Asset # : 13719**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Cast in Place Concrete	5%			LIFE	**	5	\$3,800	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : East Side</i>								
<i>Explanation : Exterior Stairway To Roof.</i>								
Concrete Masonry Unit	85%			LIFE	**	5	\$8,100	
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Metal Coiling Doors	10%			2041	**	5	\$4,800	
<b>Windows</b>								
Metal Louvers	100%			2037	**	10	\$2,500	
<b>Parapets</b>								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Top Of Parapet</i>								
<i>Explanation : Coping</i>								
Concrete Masonry Unit	90%			LIFE	**	5	\$3,000	
<b>Roof</b>								
Built-Up (BUR)	80%			2033	**	10	\$12,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Stone Ballast</i>								
Built-Up (BUR)	20%			2033	**	10	\$3,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Pavers</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	90%			LIFE	**	5	\$17,000	
Vinyl Tile	10%			2033	**	3	\$300	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Classroom</i>								
<i>Explanation : The Classroom Floor Has Stains In Several Areas</i>								
<b>Interior Walls</b>								
Concrete Masonry Unit	92%			LIFE	**	5	\$2,400	
Concrete Masonry Unit	8%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 8%</i>								
<i>Location : At Train Platform</i>								
<i>Explanation : 6 X 6 Units</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2041	**	5	\$900	
Exposed Struc: Steel	90%			LIFE	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</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**  
**FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14**  
**Asset # : 13719**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Raceway								
Conduit	100%			2048	**	1		
Panelboards								
Molded Case Bkrs	100%			2044	**	5	\$200	
Wiring								
Thermoplastic	100%			2048	**	1		
Motor Controllers								
Locally Mounted	100%			2041	**	5		
Lighting								
Interior Lighting								
Fluorescent	85%			2033	**	10	\$4,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	10%			2033	**	10	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Classrooms And Offices</i>								
<i>Explanation : T-5 Lamps</i>								
Fluorescent	1%			2033	**	10	\$100	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hallway</i>								
HID	1%			2033	**	10		
LED	3%			2033	**			
Egress Lighting								
Emergency, Service	40%			2033	**	1		
Emergency, Battery	10%			2033	**	10	\$100	
Exit, LED	50%			2056	**	1		
Exterior Lighting								
HID	65%			2033	**	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 11 HID Light Fixtures Controlled By Timer Switch</i>								
LED	35%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 6 LED Light Fixtures Controlled By Timer Switch And Photocells</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Fuel Oil No 2	100%			2048	**	5	\$1,800	
<i>No. 2 Fuel Oil, Extent : Light, Area Affected : 100%</i>								
<i>Location : Oil Tank Above Ground Infront Of Building</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**  
**FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14**  
**Asset # : 13719**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Heating</b>								
Conversion Equipment Hot Water Boiler	100%			2048	**	1	\$2,800	
<i>Repairs In Progress, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Distribution Hot Wtr Piping/Pump	100%			2044	**	4	\$400	
Terminal Devices Air Handler	40%			2033	**	1	\$1,400	
Convector/Radiator	20%			2041	**	1	\$400	
Unit Heater - Steam	40%			2033	**	4	\$300	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2050	**	1		
Conversion Equipment Exterior Pkg Unit - Cooling	10%			2033	**	2		
<i>R-22 Refrigerant, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roof</i>								
No Component	90%							
<b>Ventilation</b>								
Distribution Ductwork/Diffusers	100%	0-2	\$15,200	LIFE	**	2-5	\$3,200	
<i>Needs Cleaning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exhaust Fans Roof	100%			2033	**	2	\$200	
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	100%			2048	**	1		
Water Heater Electric	100%			2026		4	\$4,800	
Sanitary Piping Cast Iron	100%	Now	\$2,000	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
Backflow Preventer No Component	90%							
Generic	10%			2033	**	1		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : For 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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 31-Oct-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,1M,2M  
**Block** : 1819 **Lot** : 40 **BIN** : 1085911

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$44,100	\$64,800
Interior Architecture		\$124,400
<b>Total</b>	<b>\$44,100</b>	<b>\$189,200</b>
Importance Code A	\$44,100	\$64,800
Importance Code B		\$124,400
<b>Total</b>	<b>\$44,100</b>	<b>\$189,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$31,200	\$19,700		\$20,900
Interior Architecture	\$31,800		\$500	
Electrical	\$2,300	\$3,100	\$2,300	\$33,200
Mechanical	\$400	\$300	\$200	\$200
<b>Total</b>	<b>\$65,700</b>	<b>\$23,100</b>	<b>\$3,000</b>	<b>\$54,300</b>
Importance Code A	\$31,200	\$19,700		\$20,900
Importance Code B	\$34,500	\$3,500	\$2,500	\$33,400
Importance Code C			\$500	
<b>Total</b>	<b>\$65,700</b>	<b>\$23,100</b>	<b>\$3,000</b>	<b>\$54,300</b>



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
 \*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12**  
**Asset # : 13553**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick Cavity	30%	2-4	\$44,100	LIFE	**	5	\$23,100	
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Facade</i>								
Metal Panel	45%	Now	\$12,700	2048	**	5	\$64,800	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Joints</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South Facade</i>								
Metal Sect. OHD	15%			2041	**	5	\$36,000	
Pre-Cast Concrete	3%			LIFE	**	5	\$7,500	
Window Wall	7%			2048	**	5	\$20,200	
Windows								
Aluminum	100%			2044	**	5	\$11,600	
Parapets								
Concrete Masonry Unit	15%	0-2	\$1,500	LIFE	**	5	\$1,300	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : North Parapets</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Parapets</i>								
Masonry: Brick Cavity	20%			LIFE	**	5	\$1,500	
Metal Rail	2%			2041	**	5-10	\$2,700	
Pre-Cast Concrete	8%			LIFE	**	5	\$3,800	
No Component	55%							
Roof								
Cast in Place Concrete	25%			LIFE	**			
Metal Panel	55%	Now	\$17,100	2041	**			
<i>Drains Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Where Angular Roof Planes Converge</i>								
Modified Bitumen	20%			2033	**	10	\$10,800	
Interior								
Floors								
Cast in Place Concrete	68%	Now	\$27,600	LIFE	**	5	\$91,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Trench Drain At Apron</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Simulated Street Area</i>								
<i>Explanation : Radiant Flooring</i>								
Cast in Place Concrete	25%			LIFE	**	5	\$33,400	
Ceramic Tile	7%	2-4	\$4,200	2037	**	5	\$2,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12**  
**Asset # : 13553**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	2%			2037	**	5	\$1,000	
Concrete Masonry Unit	75%			LIFE	**	5	\$14,300	
Gypsum Board	5%			LIFE	**	5	\$1,400	
Masonry: Brick	12%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Streetscape Mockup On Main Level</i>								
<i>Explanation : Simulated Brick Building Facade Mockups</i>								
Metal Coiling Doors	6%			2044	**	5	\$14,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Streetscape Mockup</i>								
<i>Explanation : On Building Facade Mockups</i>								
<b>Ceilings</b>								
Exposed Struc: Steel	95%			LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Roof Drain Penetration</i>								
Metal Panel	5%			LIFE	**	5	\$3,800	
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2041	**			
<b>Parking/Driveway</b>								
Asphalt	100%			2037	**			
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2048	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Switch Rated At 2000 Amperes.</i>								
<b>Transformers</b>								
Dry Type	100%			2041	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Nameplate Ratings, 30kva, 208 Volts - 480/277 Volts</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2048	**	5	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Nameplate Ratings: 1200 Amperes Bus Rating</i>								
<b>Raceway</b>								
Conduit	100%			2048	**	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**  
**FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12**  
**Asset # : 13553**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Panelboards								
Fused Disc Sw	10%			2044	**	5	\$100	
Molded Case Bkrs	90%			2044	**	5	\$1,000	
<b>Ground</b>								
Grounding Devices								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : It Is Assumed That It Is Grounded To The Building Structure.</i>								
<b>Stand-by Power</b>								
Transfer Switches								
Manual	100%			2048	**	5	\$200	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	40%			2033	**	10	\$15,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Storage</i>								
Fluorescent	40%			2033	**	10	\$15,000	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Simulation Rooms</i>								
HID	10%			2033	**	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Atrium</i>								
<i>Explanation : Metal Halide HID</i>								
LED	10%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hallways</i>								
<i>Explanation : LED</i>								
<b>Egress Lighting</b>								
Emergency, Service	60%			2033	**	1		
Exit, LED	40%			2056	**	1		
<b>Exterior Lighting</b>								
HID	100%			2033	**	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 25 LED Light Fixtures Controlled By Photocells</i>								
<b>Alarm</b>								
Fire/Smoke Detection								
Generic, Digital	100%			2033	**	1-3	\$25,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Addressable Fire Alarm System; Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors, Horns</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
	Energy Source							
	HTHW/HW	20%			2048	**	1	
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Hot Water Is Supplied From Adjacent Building #11</i>					
	No Component	80%						
<b>Distribution</b>								
	Hot Wtr Piping/Pump	20%			2044	**	4	\$600
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Hot Water From Adjacent Building #11</i>					
	No Component	80%						
<b>Terminal Devices</b>								
	Convactor/Radiator	15%			2041	**	1	\$2,000
			<i>Other Observation, Extent : Light, Area Affected : 15%</i>					
			<i>Location : Ground Level</i>					
			<i>Explanation : Radiant Heating Pipes In Floor</i>					
	Unit Heater - Steam	5%			2033	**	4	\$300
	No Component	80%						
<b>Ventilation</b>								
	Exhaust Fans							
	Roof	20%			2033	**	2	\$300
	No Component	80%						
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	20%			2048	**	1	
	No Component	80%						
	Water Heater							
	Electric	20%			2026	\$6,900	4	
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : 1 Unit</i>					
	No Component	80%						
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
<b>Fixtures</b>								
	Generic	100%						
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Two Bathrooms</i>					

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : FIRE ACADEMY TRAINING TOWER # 1  
**Address** : RANDALLS ISLAND  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIR0003.000 / 1988 **Yr Built/Renovated** : 1975 / 2008  
**Area Sq Ft** : 12,000 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 02-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3,4,5  
**Block** : 1819 **Lot** : 40 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Electrical		\$74,100
Mechanical		\$40,700
<b>Total</b>		<b>\$114,700</b>
Importance Code A		\$40,700
Importance Code B		\$74,100
<b>Total</b>		<b>\$114,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$38,800			
Interior Architecture				
Electrical	\$400	\$400	\$600	\$400
Mechanical	\$2,300	\$500	\$500	\$1,800
<b>Total</b>	<b>\$41,500</b>	<b>\$900</b>	<b>\$1,100</b>	<b>\$2,300</b>
Importance Code A	\$39,100		\$200	
Importance Code B	\$2,500	\$900	\$900	\$2,300
Importance Code C				
<b>Total</b>	<b>\$41,500</b>	<b>\$900</b>	<b>\$1,100</b>	<b>\$2,300</b>



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**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY TRAINING TOWER # 1**  
**Asset # : 1988**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	50%			LIFE	**	5	\$11,200	
Masonry: Brick	50%	2-4	\$34,500	LIFE	**	5	\$11,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : This Is A Demonstration Building. The Original Building Was 5,400 Sq.Ft. Another 6,600 Sq.Ft. Were Added In 2008.</i>								
<b>Windows</b>								
Aluminum	100%			2050	**	5	\$5,700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<b>Parapets</b>								
Masonry: Brick	70%			LIFE	**	5	\$2,800	
Masonry: Brick	30%	Now	\$1,400	LIFE	**	5	\$1,200	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : This Is A Demonstration Building</i>								
<b>Roof</b>								
Skylight, Metal/Glass	2%			2054	**	10	\$1,000	
Traffic Topping	98%			2036	**	10	\$24,800	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	95%			LIFE	**	5	\$33,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Steel Grating	5%			2048	**	1		
<b>Interior Walls</b>								
Concrete Masonry Unit	100%			LIFE	**	5	\$15,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
Exposed Concrete	100%			LIFE	**	5	\$2,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Raceway</b>								
Conduit	100%			2028	\$22,600	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2027	\$30,500	5	\$300	

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**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY TRAINING TOWER # 1**  
**Asset # : 1988**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Under 600 Volts								
Wiring								
Thermoplastic	100%			2028	\$24,800	1		
Lighting								
Interior Lighting								
Fluorescent	15%			2028	\$4,100	10	\$1,700	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Stair Case And 3rd Floor</i>								
Fluorescent	85%			2028	\$23,000	10	\$9,400	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Exterior Lighting								
Fluorescent	20%			2028	\$7,900	10	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 3 CFL (Compact Fluorescent Light Fixtures)</i>								
HID	80%			2028	\$37,000	10		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 13 HID Light Fixtures Controlled By Timer Switch And Photocells</i>								
Alarm								
Security System								
Generic	100%			2028	\$37,100	1	\$4,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 - CCTV Surveillance Camera</i>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Heating								
Energy Source								
Electricity	20%			2048	**	1		
No Component	80%							
Conversion Equipment								
Radiant Heater	20%			2028	\$40,700	2	\$1,100	
No Component	80%							
Ventilation								
Exhaust Fans								
Roof	20%			2033	**	2	\$100	
Wall Unit	80%			2028	\$3,300	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Fan In Basement To Remove Methane Gas</i>								
Plumbing								

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**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY TRAINING TOWER # 1**  
**Asset # : 1988**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>	
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Plumbing</b>									
	H/C Water Piping Galvanized Steel	10%			2041	**	1		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>									
<i>Location : B, 1-5</i>									
<i>Explanation : Standpipe Only</i>									
	No Component	90%							
	Storm Drain Piping Cast Iron	100%			LIFE	**	1		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>									
<i>Location : 1-5</i>									
<i>Explanation : Roof Drains Only</i>									
	Sump Pump(s) Non-Submersible	100%	Now	\$1,700	2038	**	4	\$300	
<i>Not in Service, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<b>Fire Suppression</b>									
	Standpipe Generic	100%			2048	**	1-5	\$6,000	

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6  
**Address** : RANDALLS ISLAND  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIR0003.050 / 1990 **Yr Built/Renovated** : 1975 / 2004  
**Area Sq Ft** : 14,800 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 01-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Floors 1,2  
**Block** : 1819 **Lot** : 40 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$46,600	
Interior Architecture	\$97,900	
Electrical		\$57,000
<b>Total</b>	<b>\$144,500</b>	<b>\$57,000</b>
Importance Code A	\$46,600	
Importance Code B	\$49,100	\$57,000
Importance Code C	\$48,800	
<b>Total</b>	<b>\$144,500</b>	<b>\$57,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$4,200			
Interior Architecture	\$45,300		\$1,300	\$1,000
Electrical	\$1,300	\$1,600	\$1,400	\$6,800
Mechanical	\$3,800	\$1,400	\$2,400	\$9,600
Site Pavements	\$3,100			
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$61,500</b>	<b>\$6,900</b>	<b>\$9,100</b>	<b>\$21,300</b>
Importance Code A	\$4,900	\$700	\$700	\$800
Importance Code B	\$42,200	\$6,200	\$7,600	\$20,600
Importance Code C	\$14,500		\$700	
<b>Total</b>	<b>\$61,500</b>	<b>\$6,900</b>	<b>\$9,100</b>	<b>\$21,300</b>



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**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6**  
**Asset # : 1990**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick Cavity	70%	Now	\$46,600	LIFE	**	5	\$6,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Above Overhead Doors</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Above 2nd Story Window</i>								
<i>Patching Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : All Facades</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Base Of Building</i>								
<i>Weepholes Not Funct, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Mortar Saturated - North Facade</i>								
Metal Sect. OHD	30%	4+	\$4,200	2041	**	5	\$4,100	
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Door Frames</i>								
Windows								
Aluminum	40%			2044	**	5	\$800	
Wood	60%			2044	**	5	\$12,600	
Parapets								
Not Accessible	100%							
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$9,700	LIFE	**	5	\$20,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout Apparatus Floor</i>								
Cast in Place Concrete	20%			LIFE	**	5	\$10,000	
Ceramic Tile	5%			2037	**	5	\$1,100	
Vinyl Tile	35%	Now	\$20,800	2033	**	3	\$3,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Second Floor Office, Corridor, Locker Room, Kitchenette And Stair</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Second Floor</i>								
Interior Walls								
Ceramic Tile	5%			2037	**	5	\$1,400	
Concrete Masonry Unit	75%	Now	\$48,800	LIFE	**	5	\$8,600	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stairwell To Second Floor</i>								
SGFT/Glazed Masonry	20%	0-2	\$11,300	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Apparatus Area</i>								

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**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6**  
**Asset # : 1990**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	15%	0-2	\$2,800	2033	**	5	\$1,700	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Room 201, 202, 203 And Locker Rooms</i>								
AcousTileSusp.Lay-In	5%			2045	**	5	\$1,100	
Exposed Struc: Steel	50%	Now	\$49,100	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor, Original Building</i>								
Exposed Struc: Steel	20%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$2,900	
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%	0-2	\$3,100	2033	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Overhead Door Thresholds And Curbs</i>								
<b>Parking/Driveway</b>								
Asphalt	100%			2037	**			
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2048	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 2- Main Service Disconnect Switches Rated At 1200 Amperes Each.</i>								
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%			2048	**	5	\$100	
<b>Raceway</b>								
Conduit	85%			2028	\$19,200	1		
Conduit	15%			2048	**	1		
<b>Panelboards</b>								
Fused Disc Sw	5%			2027	\$1,500	5		
Molded Case Bkrs	80%			2027	\$24,400	5	\$300	
Molded Case Bkrs	15%			2044	**	5	\$100	
<b>Wiring</b>								
Thermoplastic	85%			2028	\$21,100	1		
Thermoplastic	15%			2048	**	1		
<b>Motor Controllers</b>								
Locally Mounted	20%			2041	**	5		
Locally Mounted	80%			2033	**	5	\$100	
<b>Ground</b>								

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**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6**  
**Asset # : 1990**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Meter Room</i>								
<i>Explanation : Connected To Metal Water Pipe.</i>								
<b>Stand-by Power</b>								
Transfer Switches Automatic	100%			2041	**	1	\$4,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : No Available Amperage Nameplate Rating</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	40%			2033	**	10	\$5,400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
HID	60%			2028		10	\$300	
Egress Lighting Emergency, Service Exit, LED	65%			2033	**	1		
	35%			2056	**	1		
<b>Exterior Lighting</b>								
HID	100%			2028		10	\$57,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 15 HID Light Fixtures Controlled By Photocells</i>								
<b>Alarm</b>								
Fire/Smoke Detection Generic, Digital	100%			2033	**	1-3	\$9,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Addressable Fire Alarm System; Manual Pull Station, Alarm Bells, Strobe Lights, Smoke Detectors, Horns</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Fuel Oil No 2	100%			2038	**	5	\$4,600	

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**FIRE DEPARTMENT - 057**  
**FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6**  
**Asset # : 1990**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Furnace	20%			2028	\$6,700	1	\$1,500	
			<i>Not in Service, Extent : Severe, Area Affected : 20%</i>					
			<i>Location : Roof</i>					
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : 1 Unit</i>					
Hot Water Boiler	80%			2033	**	1	\$5,900	
			<i>Other Observation, Extent : Light, Area Affected : 80%</i>					
			<i>Location : 1st Floor Boiler Room</i>					
			<i>Explanation : 1 Unit</i>					
Distribution								
Hot Wtr Piping/Pump	100%	Now	\$400	2036	**	4	\$700	
			<i>Leak Evident, Extent : Severe, Area Affected : 80%</i>					
			<i>Location : Pum(P-6-1) In The 1st Floor Boiler Room.</i>					
Terminal Devices								
Convactor/Radiator	50%			2033	**	1	\$2,400	
Unit Heater - Steam	50%			2033	**	4	\$1,000	
Air Conditioning								
Energy Source								
Electricity	100%			2044	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2038	**	2	\$200	
			<i>Recent Installation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : 2 Units, On The Roof, Using 410 A Refrigerant.</i>					
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,300	
Exhaust Fans								
Roof	85%			2028	\$20,000	2	\$400	
Wall Unit	15%			2028	\$800	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	\$2,100	2048	**	1		
			<i>Corroded, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Water Main.</i>					
Water Heater								
Electric	50%			2023	\$6,200	4		
Electric	50%			2026	\$6,200	4		
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 VEHICLE PREVENTIVE MAINT BLDG #6**  
**Asset # : 1990**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Backflow Preventer							
	No Component	90%						
	Generic	10%			2033	**	1	\$100
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Boiler Room</i>					
			<i>Explanation : For Boiler Only</i>					
<hr/>								
	<b>Fixtures</b>							
	Generic	100%						
<hr/>								
<b>Fire Suppression</b>								
	Sprinkler							
	No Component	80%						
	Generic	20%			2038	**	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 09-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Floors 1  
**Block** : 5917 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$49,100	
Interior Architecture		\$55,300
<b>Total</b>	<b>\$49,100</b>	<b>\$55,300</b>
Importance Code A	\$49,100	
Importance Code B		\$55,300
<b>Total</b>	<b>\$49,100</b>	<b>\$55,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture				
Interior Architecture	\$9,100			\$700
Electrical	\$5,400	\$8,600	\$100	\$100
Mechanical	\$31,100	\$1,100	\$500	\$400
<b>Total</b>	<b>\$45,500</b>	<b>\$9,700</b>	<b>\$600</b>	<b>\$1,200</b>
Importance Code A	\$200	\$200	\$200	\$200
Importance Code B	\$42,500	\$9,400	\$400	\$1,000
Importance Code C	\$2,800			
<b>Total</b>	<b>\$45,500</b>	<b>\$9,700</b>	<b>\$600</b>	<b>\$1,200</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. # 103 EMS BATTALION STATION**  
**Asset # : 13737**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Exterior Walls									
Alum/Vinyl Siding	5%			2036	**	10	\$300		
Cast in Place Concrete	10%			LIFE	**	5	\$8,600		
Masonry: Brick	85%	Now	\$49,100	LIFE	**	5	\$14,600		
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Throughout</i>									
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Various Locations</i>									
Windows									
Aluminum	100%			2034	**	5	\$400		
Roof									
Asphalt Shingle	100%			2029		10	\$1,100		
Interior									
Floors									
Ceramic Tile	5%	0-2	\$700	2029	\$7,400	5	\$200		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>									
<i>Location : Bathroom</i>									
Quarry Tile	10%			2039	**	5	\$1,000		
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>									
<i>Location : Various Locations</i>									
Vinyl Tile	85%	0-2	\$5,500	2026	\$55,300	3	\$2,200		
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
Interior Walls									
Ceramic Tile	5%	2-4	\$700	2029	\$14,600	5	\$200		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>									
<i>Location : Toilets</i>									
Concrete Masonry Unit	10%			LIFE	**	5	\$400		
Gypsum Board	50%			LIFE	**	5	\$2,900		
Masonry: Brick	5%	Now	\$2,100	LIFE	**				
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 50%</i>									
<i>Location : Basement</i>									
Plaster	5%			LIFE	**	5	\$100		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Basement</i>									
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>									
<i>Location : Basement</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Basement</i>									
Wood	25%			LIFE	**	5	\$9,500		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Various Locations Throughout</i>									
<i>Explanation : Wood Panel Interior Finish</i>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 103 EMS BATTALION STATION**  
**Asset # : 13737**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Interior								
Ceilings								
AcousTileSusp.Lay-In	95%			2039	**	5	\$6,500	
<i>Misaligned/Bulging, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Gypsum Board	5%			LIFE	**	5	\$400	
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2036	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Room.</i>								
<i>Explanation : 2-200 Amperes Switches</i>								
Raceway								
Conduit	100%			2036	**	1		
Panelboards								
Molded Case Bkrs	100%			2034	**	5	\$100	
Wiring								
Thermoplastic	100%			2036	**	1		
Motor Controllers								
Locally Mounted	100%			2031	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	100%			2026	\$11,200	10	\$4,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Fixtures In Use.</i>								
Egress Lighting								
Emergency, Battery	50%			2031	**	10	\$600	
Exit, Battery	50%			2031	**	10	\$200	
Exterior Lighting								
HID	50%			2026	\$9,600	10		
No Component	50%							
Alarm								
Security System								
No Component	50%							
Generic	50%			2021	\$7,700	1	\$900	

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**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 103 EMS BATTALION STATION**  
**Asset # : 13737**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Alarm

## Fire/Smoke Detection

No Component

90%

Generic, Analog

10% 4+

\$5,300

2036

\* \*

1-3

\$300

*Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : Throughout*

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Heating

## Energy Source

Fuel Oil No 2

100%

2036

\* \*

5

\$1,400

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 2 - 275 Gallon Tanks With Spill Protection*

## Conversion Equipment

Hot Water Boiler

100%

2043

\* \*

1

\$2,300

*Recent Installation, Extent : Light, Area Affected : 100%**Location : Basement**Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : New Burner*

## Distribution

Hot Wtr Piping/Pump

100%

2034

\* \*

4

\$200

## Terminal Devices

Convactor/Radiator

100%

2031

\* \*

1

\$1,500

## Air Conditioning

## Energy Source

Electricity

100%

2042

\* \*

1

## Conversion Equipment

Split Unit

30% 0-2

\$30,600

2036

\* \*

*Malfunctioning, Extent : Moderate, Area Affected : 30%**Location : Classroom*

Window/Wall Unit

70%

2024

\$7,000

1

## Heat Rejection

No Component

30%

No Component

70%

## Ventilation

## Exhaust Fans

Interior

100%

2026

\$17,000

2

\$100

## Plumbing

## H/C Water Piping

Brass/Copper

100%

2046

\* \*

1

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 103 EMS BATTALION STATION**  
**Asset # : 13737**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Water Heater Oil Fired	100%			2024	\$4,000	1	\$100
			<i>Recent Repair Evident, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Basement</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 - 40 Gallon Unit</i>					
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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 09-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Floors 1,2  
**Block** : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Mechanical	\$110,400	\$46,000
<b>Total</b>	<b>\$110,400</b>	<b>\$46,000</b>
Importance Code B	\$110,400	\$46,000
<b>Total</b>	<b>\$110,400</b>	<b>\$46,000</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$1,500	\$600		
Interior Architecture	\$1,400		\$1,600	\$2,300
Electrical	\$14,300	\$100	\$200	\$100
Mechanical	\$2,000	\$14,300	\$5,800	\$1,700
<b>Total</b>	<b>\$19,200</b>	<b>\$15,000</b>	<b>\$7,600</b>	<b>\$4,100</b>
Importance Code A	\$2,700	\$1,800	\$1,200	\$1,200
Importance Code B	\$15,100	\$13,200	\$6,400	\$2,800
Importance Code C	\$1,400			
<b>Total</b>	<b>\$19,200</b>	<b>\$15,000</b>	<b>\$7,600</b>	<b>\$4,100</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. # 107 CLASSROOM/ADMIN.**  
**Asset # : 13738**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	87%			LIFE	**	5	\$10,600	
<i>Diagonal Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Attached Storage Shed</i>								
<i>Efflorescence, Extent : Light, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Masonry: Granite	5%			LIFE	**	5	\$500	
Masonry: Limestone	5%	Now	\$1,500	LIFE	**	5	\$500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Above Pull-up Door In Rear</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	3%			2031	**	5	\$1,100	
<b>Windows</b>								
Aluminum	100%			2034	**	5	\$2,000	
<b>Roof</b>								
Asphalt Shingle	100%			2035	**	10	\$5,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Asphalt Shingles Are Designed To Appear To Be Historic Slate</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	20%			LIFE	**	5	\$8,100	
Mosaic Tile	10%			2043	**	5	\$4,600	
Vinyl Tile	70%			2031	**	3	\$4,800	
<b>Interior Walls</b>								
Cast in Place Concrete	5%			LIFE	**			
Cast Stone/Terra Cotta	5%			LIFE	**			
Ceramic Tile	10%			2035	**	5	\$2,700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Toilets</i>								
Gypsum Board	50%			LIFE	**	5	\$8,200	
Masonry: Brick	30%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	60%			2039	**	5	\$10,500	
Gypsum Board	30%			LIFE	**	5	\$6,600	
Masonry: Infill Arch	10%			LIFE	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 107 CLASSROOM/ADMIN.**  
**Asset # : 13738**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment Not Accessible	100%							
Raceway Conduit	100%			2036	**	1		
Panelboards Molded Case Bkrs	100%			2042	**	5	\$300	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Recently Installed With Renovation On The 1st And 2nd Floors</i>								
Wiring Thermoplastic	100%			2046	**	1		
Motor Controllers Locally Mounted	100%			2031	**	5	\$100	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Grounding Device</i>								
Lighting								
Interior Lighting Fluorescent	100%			2026	\$30,200	10	\$11,400	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting Emergency, Battery	50%			2026	\$9,300	10	\$1,500	
Exit, Battery	50%			2026	\$6,400	10	\$400	
Exterior Lighting HID	50%			2026	\$26,100	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Controlled Via Photocell</i>								
No Component	50%							
Alarm								
Fire/Smoke Detection No Component	90%							
Generic, Analog	10%	4+	\$14,300	2036	**	1-3	\$700	
<i>Devices Missing, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

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**  
**FORT TOTTEN - BLDG. # 107 CLASSROOM/ADMIN.**  
**Asset # : 13738**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil	100%			2046	**	5	\$3,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 275 Gallon Tanks</i>								
Conversion Equipment								
Steam Boiler	100%			2031	**	1	\$12,300	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : One Oil Fired Steam Boiler</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$900	
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$4,000	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Split Unit	100%	2-4	\$110,400	2034	**			
<i>Other Observation, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : 1st And 2nd Floor</i>								
<i>Explanation : 2 Units On Extended Life 1 Unit Poorly Installed</i>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$16,100	
Ventilation								
Exhaust Fans								
Interior	100%			2026	\$46,000	2	\$400	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2039	**	1		
Water Heater								
Oil Fired	100%			2021	\$10,700	1	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : Indirect Hot Water Heater</i>								
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 10-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5917 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$98,200	
Mechanical		\$40,600
<b>Total</b>	<b>\$98,200</b>	<b>\$40,600</b>
Importance Code A	\$98,200	
Importance Code B		\$40,600
<b>Total</b>	<b>\$98,200</b>	<b>\$40,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$32,500	\$200		
Interior Architecture	\$15,400		\$400	
Electrical	\$3,800	\$5,000	\$200	\$100
Mechanical	\$800	\$7,400	\$1,500	\$700
<b>Total</b>	<b>\$52,700</b>	<b>\$12,500</b>	<b>\$2,100</b>	<b>\$800</b>
Importance Code A	\$33,000	\$700	\$500	\$500
Importance Code B	\$10,500	\$11,900	\$1,700	\$400
Importance Code C	\$9,200			
<b>Total</b>	<b>\$52,700</b>	<b>\$12,500</b>	<b>\$2,100</b>	<b>\$800</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. # 129 EMS CHAUFFEUR TRAINING SIMULATOR**  
**Asset # : 13740**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Cast in Place Concrete	10%	Now	\$2,200	LIFE	**	5	\$8,600		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>									
<i>Location : Exterior Stair To Basement</i>									
Masonry: Brick	85%	Now	\$98,200	LIFE	**	5	\$14,600		
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Throughout.</i>									
<i>Spalling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
Masonry: Limestone	5%			LIFE	**	5	\$600		
Windows									
Aluminum	100%			2051	**	5	\$400		
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
Roof									
Slate	100%	4+	\$30,400	LIFE	**				
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Mostly Above Gutter.</i>									
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>									
<i>Location : Throughout</i>									
Interior									
Floors									
Cast in Place Concrete	5%			LIFE	**	5	\$800		
Vinyl Tile	50%			2031	**	3	\$1,300		
Vinyl Tile 9" X 9"	5%	Now	\$4,200	2036	**	3	\$100		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Cracked And Deteriorated Throughout Entry Vestibule</i>									
Wood	40%	Now	\$2,000	2054	**	5	\$2,600		
<i>Deteriorated Finish, Extent : Light, Area Affected : 50%</i>									
<i>Location : Throughout 2nd Floor</i>									
Interior Walls									
Cast in Place Concrete	85%			LIFE	**				
Ceramic Tile	5%	Now	\$700	2035	**	5	\$200		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : 1st Floor Kitchen</i>									
Masonry: Brick	5%	Now	\$8,300	LIFE	**				
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Basement</i>									
<i>Efflorescence, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Basement</i>									
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Basement</i>									
Plaster	5%	Now	\$200	LIFE	**	5	\$100		
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : 1st Floor Studio Area/ Kitchen At Wall Base.</i>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 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	

## Interior

## Ceilings

## Plaster

100%      LIFE      \* \*      5      \$4,300  
*Paint Peeling, Extent : Light, Area Affected : 15%*  
*Location : Throughout*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

## Under 600 Volts

## Service Equipment

## Fused Disc Sw

100%      2052      \* \*      5  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Basement*  
*Explanation : One (1) 100 Amperes Service Switch*

## Raceway

## Conduit

90%      2036      \* \*      1

## Conduit

10%      2026      \$400      1

## Panelboards

## Molded Case Bkrs

100%      2042      \* \*      5      \$100

## Wiring

## Thermoplastic

90%      2036      \* \*      1

## Thermoplastic

10%      2026      \$900      1

## Ground

## Grounding Devices

## Generic

100%      LIFE      \* \*      5      \$100  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : One (1) Installed Outside And One (1) Installed In The Electrical Room*  
*Explanation : Two Ground Rods Installed.*

## Lighting

## Interior Lighting

## Fluorescent

97%      2031      \* \*      10      \$4,100  
*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%*  
*Location : Throughout*

## Incandescent

3%      2021      \$800      2

## Egress Lighting

## Emergency, Service

30%      2026      \$800      1

## Exit, Service

70%      2026      \$1,000      1

## Exterior Lighting

## HID

100%      2031      \* \*      10

## Alarm

## Security System

## No Component

## Generic

50%      50% Now      \$3,800      2036      \* \*      1      \$800  
*Malfunctioning, Extent : Light, Area Affected : 50%*  
*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.

Maintenance \$ are aggregated over a ten-year period. 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**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Fuel Oil No 2	100%			2036	**	5	\$1,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 275 Gallon Tanks With Spill Protection</i>								
Conversion Equipment								
Steam Boiler	100%			2039	**	1	\$4,500	
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$1,500	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Split Unit	40%			2026			\$40,600	
Window/Wall Unit	60%			2021		1	\$6,000	
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2	\$2,400	
No Component	60%							
Terminal Devices								
Air Handler/Cool/Ht	40%			2031	**	1	\$1,100	
No Component	60%							
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
HW Heat Exchanger								
Steam Fired	100%			2046	**	4	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Domestic Coil No Storage</i>								
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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 10-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 5917 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$75,900
Interior Architecture	\$45,600	\$114,000
<b>Total</b>	<b>\$45,600</b>	<b>\$189,900</b>
Importance Code A		\$75,900
Importance Code B	\$45,600	\$114,000
<b>Total</b>	<b>\$45,600</b>	<b>\$189,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$22,300			
Interior Architecture	\$7,700			\$1,500
Electrical	\$5,900			
<b>Total</b>	<b>\$36,000</b>			<b>\$1,500</b>
Importance Code A	\$22,300			
Importance Code B	\$6,700			\$1,500
Importance Code C	\$7,000			
<b>Total</b>	<b>\$36,000</b>			<b>\$1,500</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. # 139 EMS MEDICAL FILE STORAGE**  
**Asset # : 14323**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Alum/Vinyl Siding	50%	Now	\$3,200	2046	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout Facade</i>								
<i>Explanation : Vegetation Growth</i>								
Masonry: Brick	50%	Now	\$7,300	LIFE	**	5	\$4,300	
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Exterior Facade.</i>								
<b>Windows</b>								
Aluminum	100%	4+	\$11,800	2042	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<b>Roof</b>								
Asphalt Shingle	100%			2029	\$75,900	10	\$3,300	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	5%			LIFE	**	5	\$1,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Access</i>								
Ceramic Tile	10%			2035	**	5	\$1,400	
Vinyl Tile	85%	Now	\$45,600	2026	\$114,000	3	\$4,500	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Debris And Abandoned Storage Materials Everywhere</i>								
<b>Interior Walls</b>								
Ceramic Tile	5%	Now	\$700	2035	**	5	\$100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bathrooms.</i>								
Gypsum Board	95%	Now	\$6,300	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
Gypsum Board	100%			LIFE	**	5	\$17,700	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Paint Peeling</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 139 EMS MEDICAL FILE STORAGE**  
**Asset # : 14323**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts Service Equipment Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Building Is Abandoned; Used For Storage</i>						
Raceway Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Building Is Abandoned; Used For Storage</i>						
Panelboards Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Building Is Abandoned; Used For Storage</i>						
Wiring Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Building Is Abandoned; Used For Storage</i>						
Ground Grounding Devices Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Building Is Abandoned; Used For Storage</i>						
Lighting Interior Lighting Incandescent	10%	Now	\$5,500	2036		**	2	
		<i>Not in Service, Extent : Light, Area Affected : 100%</i>						
		<i>Location : All Floors</i>						
No Component	90%							
Exterior Lighting HID	25%	Now	\$500	2031		**		
		<i>Not in Service, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Front Entrance Light</i>						
No Component	75%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source	Not Accessible	100%	<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location : Entire Building</i>					
			<i>Explanation : Building Unoccupied In Very Poor Condition</i>					
<hr/>								
Conversion Equipment	Not Accessible	100%						
<hr/>								
Distribution	Not Accessible	100%						
<hr/>								
Terminal Devices	Not Accessible	100%						
<hr/>								
Air Conditioning								
Energy Source	Not Accessible	100%						
<hr/>								
Conversion Equipment	Not Accessible	100%						
<hr/>								
Distribution	Not Accessible	100%						
<hr/>								
Terminal Devices	Not Accessible	100%						
<hr/>								
Heat Rejection	Not Accessible	100%						
<hr/>								
Dehumidifier	Not Accessible	100%						
<hr/>								
Ventilation								
Distribution	Not Accessible	100%						
<hr/>								
Exhaust Fans	Not Accessible	100%						
<hr/>								
Plumbing								
H/C Water Piping	Not Accessible	100%						
<hr/>								
Water Heater	Not Accessible	100%						
<hr/>								
HW Heat Exchanger	Not Accessible	100%						
<hr/>								
Sanitary Piping	Not Accessible	100%						
<hr/>								
Storm Drain Piping	Not Accessible	100%						
<hr/>								
Sump Pump(s)	Not Accessible	100%						
<hr/>								
Pool Filter/Treatment	Not Accessible	100%						
<hr/>								
Sewage Ejector(s)	Not Accessible	100%						
<hr/>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
 Estimates are rounded to the nearest hundred dollars.  
 Maintenance \$ are aggregated over a ten-year period. 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**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Plumbing								
	Backflow Preventer							
	Not Accessible	100%						
Fixtures								
	Not Accessible	100%						
Vertical Transport								
	Elevators							
	Not Accessible	100%						
	Escalators							
	Not Accessible	100%						
Fire Suppression								
	Standpipe							
	Not Accessible	100%						
	Sprinkler							
	Not Accessible	100%						
	Fire Pump							
	Not Accessible	100%						
	Chemical System							
	Not Accessible	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 09-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Floors 1  
**Block** : 5917 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Interior Architecture		\$38,100
<b>Total</b>		<b>\$38,100</b>
Importance Code B		\$38,100
<b>Total</b>		<b>\$38,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$2,600		\$200	
Interior Architecture	\$13,300	\$2,900		
Electrical	\$16,900	\$16,500	\$100	\$100
Mechanical	\$5,200	\$12,000	\$600	\$600
<b>Total</b>	<b>\$38,000</b>	<b>\$31,400</b>	<b>\$1,000</b>	<b>\$700</b>
Importance Code A	\$3,000	\$500	\$700	\$500
Importance Code B	\$30,300	\$30,800	\$300	\$300
Importance Code C	\$4,600			
<b>Total</b>	<b>\$38,000</b>	<b>\$31,400</b>	<b>\$1,000</b>	<b>\$700</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. # 309 EMS HAZMAT/ PARAMEDIC TRAINING**  
**Asset # : 13755**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	5%	Now	\$2,600	LIFE	**	5	\$4,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Entrance Stair</i>								
Masonry: Brick	75%			LIFE	**	5	\$12,200	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Shed Addition</i>								
Masonry: Granite	20%			LIFE	**	5	\$2,400	
Windows								
Aluminum	100%			2042	**	5	\$400	
Roof								
Asphalt Shingle	100%			2035	**	10	\$1,200	
Interior								
Floors								
Cast in Place Concrete	35%	4+	\$2,900	LIFE	**	5	\$5,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Basement Floor.</i>								
Ceramic Tile	5%			2035	**	5	\$400	
Quarry Tile	55%			2031	**	5	\$5,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Terracotta Tile.</i>								
Vinyl Tile	5%			2031	**	3	\$100	
Interior Walls								
Ceramic Tile	5%	Now	\$1,600	2029	\$8,100	5	\$100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bathrooms.</i>								
Masonry: Brick	10%	Now	\$1,100	LIFE	**			
<i>Efflorescence, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Basement Walls.</i>								
Granite Panels	20%	Now	\$1,900	LIFE	**			
<i>Efflorescence, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout Basement</i>								
Wood	65%			LIFE	**	5	\$13,600	
Ceilings								
AcousTileConcealSpLn	60%	Now	\$800	2024	\$38,100	5	\$2,600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout Main Floor Ceiling.</i>								
Exposed Struc: Wood	20%	Now	\$4,900	LIFE	**			
<i>Split/Cracked, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout Basement</i>								
Plaster	20%			LIFE	**	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. # 309 EMS HAZMAT/ PARAMEDIC TRAINING**  
**Asset # : 13755**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Molded Case Bkrs	100%			2036	**	5	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : In Basement</i>						
		<i>Explanation : 1-100 Ampere Service Switch</i>						
Raceway								
Conduit	100%			2026	\$4,200	1		
Panelboards								
Molded Case Bkrs	100%			2034	**	5	\$100	
Wiring								
Thermoplastic	100%			2026	\$9,100	1		
Motor Controllers								
Locally Mounted	100%			2024	\$8,000	5		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : In Basement Under Steps.</i>						
		<i>Explanation : Grounding Device</i>						
<b>Lighting</b>								
Interior Lighting								
Fluorescent	100%			2021	\$11,900	10	\$4,500	
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Egress Lighting								
Emergency, Battery	50%			2026	\$3,700	10	\$600	
Exit, Battery	50%			2026	\$2,500	10	\$200	
<b>Alarm</b>								
Fire/Smoke Detection								
No Component	70%							
Generic, Analog	30%	4+	\$16,900	2036	**	1-3	\$800	
		<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Fuel Oil No 2	100%			2036	**	5	\$1,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 275 Gallon Tanks</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 309 EMS HAZMAT/ PARAMEDIC TRAINING**  
**Asset # : 13755**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Steam Boiler	100%			2043	**	1	\$4,800	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : Unit 6 Years Old</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$1,600	
Air Conditioning								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment Window/Wall Unit	100%			2021		1	\$10,600	
Plumbing								
H/C Water Piping Brass/Copper	100%			2046	**	1		
Water Heater Electric	100%	2-4	\$4,500	2026	\$4,500	4		
<i>On Extended Life, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit - 50 Gallons</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Plastic/PVC	100%			2039	**	1		
Fixtures								
Generic	100%							

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\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : FORT TOTTEN - BLDG. # 318 GENERAL STORAGE  
**Address** : 318 MURRAY AVENUE  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIR0020.318 / 13761 **Yr Built/Renovated** : 1926 /  
**Area Sq Ft** : 12,966 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 02-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 5917 **Lot** : 1 **BIN** :

**CAPITAL**

Total

Importance Code

Total

**EXPENSE**

Total

Importance Code

Total



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
 Estimates are rounded to the nearest hundred dollars.  
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
 \*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 318 GENERAL STORAGE**  
**Asset # : 13761**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Exterior

## Exterior Walls

Not Accessible 100%

## Windows

Not Accessible 100%

## Parapets

Not Accessible 100%

## Roof

Not Accessible 100%

## Interior

## Floors

Not Accessible 100%

## Interior Walls

Not Accessible 100%

## Ceilings

Not Accessible 100%

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Under 600 Volts

## Service Equipment

Not Accessible 100%

*Other Observation, Extent : Light, Area Affected : 0%**Location : Entire**Explanation : Building Abandoned. Old Y.m.c.a. 10 Years Unoccupied.*

## 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%

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.*

*Estimates are rounded to the nearest hundred dollars.*

*Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.*

*\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 318 GENERAL STORAGE**  
**Asset # : 13761**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power								
Batteries								
Not Accessible	100%							
Fuel Storage								
Not Accessible	100%							
Lighting								
Interior Lighting								
Not Accessible	100%							
Egress Lighting								
Not Accessible	100%							
Exterior Lighting								
Not Accessible	100%							
Lightning Protection								
Arresters/Cabling								
Not Accessible	100%							
Alarm								
Security System								
Not Accessible	100%							
Fire/Smoke Detection								
Not Accessible	100%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Not Accessible	100%							
Conversion Equipment								
Not Accessible	100%							
Distribution								
Not Accessible	100%							
Terminal Devices								
Not Accessible	100%							
Air Conditioning								
Energy Source								
Not Accessible	100%							
Conversion Equipment								
Not Accessible	100%							
Distribution								
Not Accessible	100%							
Terminal Devices								
Not Accessible	100%							
Heat Rejection								
Not Accessible	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 318 GENERAL STORAGE**  
**Asset # : 13761**

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Air Conditioning							
Dehumidifier							
Not Accessible	100%						
Ventilation							
Distribution							
Not Accessible	100%						
Exhaust Fans							
Not Accessible	100%						
Plumbing							
H/C Water Piping							
Not Accessible	100%						
Water Heater							
Not Accessible	100%						
HW Heat Exchanger							
Not Accessible	100%						
Sanitary Piping							
Not Accessible	100%						
Storm Drain Piping							
Not Accessible	100%						
Sump Pump(s)							
Not Accessible	100%						
Pool Filter/Treatment							
Not Accessible	100%						
Sewage Ejector(s)							
Not Accessible	100%						
Backflow Preventer							
Not Accessible	100%						
Fixtures							
Not Accessible	100%						
Vertical Transport							
Elevators							
Not Accessible	100%						
Escalators							
Not Accessible	100%						
Fire Suppression							
Standpipe							
Not Accessible	100%						
Sprinkler							
Not Accessible	100%						
Fire Pump							
Not Accessible	100%						
Chemical System							
Not Accessible	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 29-May-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 5917 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$311,500	\$47,600
Electrical	\$75,600	\$60,300
Mechanical	\$128,100	\$410,000
<b>Total</b>	<b>\$515,200</b>	<b>\$518,000</b>
Importance Code A	\$439,600	\$47,600
Importance Code B	\$75,600	\$470,400
<b>Total</b>	<b>\$515,200</b>	<b>\$518,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$24,100			\$1,100
Interior Architecture	\$21,300	\$1,300	\$5,500	
Electrical	\$5,000	\$26,100	\$2,400	\$2,400
Mechanical	\$2,100	\$7,600	\$9,400	\$2,700
<b>Total</b>	<b>\$52,600</b>	<b>\$35,000</b>	<b>\$17,300</b>	<b>\$6,200</b>
Importance Code A	\$24,900	\$1,600	\$1,600	\$2,700
Importance Code B	\$27,700	\$32,000	\$15,700	\$3,500
Importance Code C		\$1,300		
<b>Total</b>	<b>\$52,600</b>	<b>\$35,000</b>	<b>\$17,300</b>	<b>\$6,200</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. # 325 EMS ACADEMY**  
**Asset # : 13739**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$21,900	
Masonry: Brick	35%	Now	\$197,500	LIFE	**	5	\$19,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Low Masonry Walls At Exterior Stairs</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Gymnasium/ Locker Room Wing</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Gymnasium/ Locker Room Wing</i>								
Masonry: Brick	50%			LIFE	**	5	\$28,000	
Stucco Cement	5%	Now	\$4,500	2031	**	5	\$3,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Exterior Stairs Foundation Wall</i>								
Wood	5%	Now	\$8,200	2043	**	5	\$7,000	
<i>Paint Peeling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Gymnasium Wing Eaves</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Gymnasium Wing Eaves</i>								
Windows								
Aluminum	100%			2034	**	5	\$3,700	
Roof								
Asphalt Shingle	98%	0-2	\$11,400	2022	\$114,000			
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Over Classrooms</i>								
Metal Panel	2%			2043	**	10	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Covered Area Over Front Door</i>								
<i>Explanation : Standing Seam Metal Roof</i>								
Interior								
Floors								
Ceramic Tile	10%			2039	**	5	\$4,900	
Vinyl Tile	90%			2031	**	3	\$16,400	
<i>Recent Construction, Extent : Light, Area Affected : 30%</i>								
<i>Location : Gymnasium Locker Room Wing</i>								
<i>Repairs in Progress, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement In Main Building</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 325 EMS ACADEMY**  
**Asset # : 13739**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	5%			2041	**	5	\$2,600	
<i>Recent Construction, Extent : Light, Area Affected : 40%</i>								
<i>Location : Gymnasium Locker Room Wing</i>								
Concrete Masonry Unit	5%			LIFE	**	5	\$1,000	
Gypsum Board	35%			LIFE	**	5	\$11,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : Locker Room, Toilets, Gymnasium</i>								
<i>Repairs in Progress, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement Construction</i>								
Plaster	55%			LIFE	**	5	\$8,600	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	40%			2039	**	5	\$19,500	
Plaster	60%	Now	\$21,300	LIFE	**	5	\$18,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Below Kitchen, Main Boiler Room</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : 3rd Floor Classrooms</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Below Kitchen, Main Boiler Room</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Rear Wing.</i>								
<i>Explanation : 600 Amperes Service Switch.</i>								
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Rear Wing.</i>								
<i>Explanation : Recently Installed Equipment.</i>								
<b>Raceway</b>								
Conduit	20%			2046	**	1		
Conduit	80%			2026	\$3,300	1		
<b>Panelboards</b>								
Molded Case Bkrs	10%			2042	**	5	\$100	
Molded Case Bkrs	90%			2025	\$15,000	5	\$800	
<b>Wiring</b>								
Thermoplastic	10%			2046	**	1		
Thermoplastic	90%			2026	\$8,200	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2031	**	5	\$200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 325 EMS ACADEMY**  
**Asset # : 13739**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Ground Wires Connect To Ground Rod And Water Main</i>								
<b>Stand-by Power</b>								
Transfer Switches Automatic	100%			2039	**	1	\$9,800	
<b>Generators</b>								
Diesel	100%			2035	**	1	\$12,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 250 Kilowatts Generator Installed In 2014</i>								
<b>Batteries</b>								
Lead/Acid	100%			2020	\$1,700	5	\$1,200	
<b>Fuel Storage</b>								
Main Tank	100%			2054	**	5	\$900	
<b>Lighting</b>								
Interior Lighting Fluorescent	50%			2021	\$38,900	10	\$14,600	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building 325 (Front Wing)</i>								
LED	50%			2031	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building 325 (Rear Wing)</i>								
<i>Explanation : LED Lighting Recently Installed</i>								
<b>Egress Lighting</b>								
Emergency, Service	50%			2021	\$8,700	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Recently Installed Fixtures</i>								
Exit, Service	50%			2031	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Recently Installed Fixtures</i>								
<b>Exterior Lighting</b>								
HID	45%			2026	\$60,300	10		
Incandescent	5%			2026	\$5,700	2		
No Component	50%							
<b>Alarm</b>								
Fire/Smoke Detection No Component	90%							
Generic, Analog	10%			2021	\$36,800	1-3	\$2,000	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 325 EMS ACADEMY**  
**Asset # : 13739**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
	Energy Source							
	Fuel Oil No 2	50%			2046	**	5	\$4,900
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Exterior</i>					
			<i>Explanation : 1800 Double Wall Tank With Leak Detection Serves Front Building</i>					
	Fuel Oil No 2	50%			2046	**	5	\$4,900
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 500 Gallon Double Wall Tank With Leak Detection Serves Rear Building</i>					
	Conversion Equipment							
	Hot Water Boiler	50%			2039	**	1	\$7,900
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Rear Building</i>					
	Hot Water Boiler	50%	Now	\$128,100	2046	**	1	\$7,100
			<i>Other Observation, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Jacket Parts Missing Or Deteriorated. General Condition Is Very Poor.</i>					
	Distribution							
	Hot Wtr Piping/Pump	100%			2034	**	4	\$1,600
	Terminal Devices							
	Convactor/Radiator	100%			2031	**	1	\$10,300
Air Conditioning								
	Energy Source							
	Electricity	100%			2042	**	1	
	Conversion Equipment							
	Split Unit	50%			2026			\$354,800
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Serves Rear Building</i>					
	Window/Wall Unit	50%			2024		1	\$34,600
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Serves Front Building</i>					
	Distribution							
	Ductwork/Diffusers	50%			LIFE	**	2	\$20,700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Rear Building</i>					
	No Component	50%						
Ventilation								
	Distribution							
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$3,600
	No Component	80%						
	Exhaust Fans							
	Roof	100%			2026		2	\$1,000

**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. # 325 EMS ACADEMY**  
**Asset # : 13739**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	50%			2046	**	1		
Under Construction	50%							
Water Heater								
Oil Fired	100%			2024	\$27,600	1	\$900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2- 90 Gallon Units</i>						
Sanitary Piping								
Cast Iron	50%			LIFE	**	1		
Under Construction	50%							
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sewage Ejector(s)								
No Component	50%							
Under Construction	50%							
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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 27-May-2015 **Landmark Status** : EXTERIOR, HISTORICAL DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$608,800	
Interior Architecture	\$115,700	
Mechanical	\$259,800	\$245,100
<b>Total</b>	<b>\$984,300</b>	<b>\$245,100</b>
Importance Code A	\$651,200	
Importance Code B	\$217,400	\$245,100
Importance Code C	\$115,700	
<b>Total</b>	<b>\$984,300</b>	<b>\$245,100</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture				
Interior Architecture	\$13,300			
Mechanical	\$37,100	\$600	\$2,700	\$600
<b>Total</b>	<b>\$50,400</b>	<b>\$600</b>	<b>\$2,700</b>	<b>\$600</b>
Importance Code A		\$600	\$600	\$600
Importance Code B	\$50,400		\$2,100	
Importance Code C				
<b>Total</b>	<b>\$50,400</b>	<b>\$600</b>	<b>\$2,700</b>	<b>\$600</b>



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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. # 332 FORMER THEATRE**  
**Asset # : 13766**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Exterior Walls									
Cast in Place Concrete	10%	Now	\$85,800	LIFE	**	5	\$11,400		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Various Locations Around Building</i>									
Masonry: Brick	90%	Now	\$413,000	LIFE	**	5	\$20,500		
<i>Vegetation Growth, Extent : Light, Area Affected : 75%</i>									
<i>Location : Various Locations Around Building</i>									
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Various Locations Around Building</i>									
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Entire Building</i>									
<i>Explanation : Building Is Abandoned. Not In Use.</i>									
Windows									
Wood	100%	Now	\$58,400	2051	**	5	\$9,400	1	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 90%</i>									
<i>Location : Various Locations Around Building</i>									
Roof									
Slate	100%	Now	\$51,500	LIFE	**				
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Various Locations</i>									
Interior									
Floors									
Sheet Vinyl/Rubber	10%	Now	\$600	2036	**	5	\$700		
<i>Adhesion Failure, Extent : Light, Area Affected : 90%</i>									
<i>Location : Second Floor</i>									
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Second Floor</i>									
Not Accessible	40%								
<i>Other Observation, Extent : Light, Area Affected : 0%</i>									
<i>Location : Basement</i>									
<i>Explanation : Flooded</i>									
Not Accessible	50%								
<i>Other Observation, Extent : Light, Area Affected : 0%</i>									
<i>Location : First Floor</i>									
<i>Explanation : Most Doors Boarded Closed. One Door Obstructed With Debris.</i>									
Interior Walls									
Plaster	100%	Now	\$115,700	LIFE	**	5	\$3,900		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Various Locations</i>									
<i>Deteriorated Finish, Extent : Light, Area Affected : 100%</i>									
<i>Location : Various Locations</i>									

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**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 332 FORMER THEATRE**  
**Asset # : 13766**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileConcealSpLn	2%	Now	\$1,700	2046	**	5	\$100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Second Floor</i>								
<i>Misaligned/Bulging, Extent : Light, Area Affected : 50%</i>								
<i>Location : Second Floor</i>								
Plaster	8%	Now	\$11,000	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Projection Booth</i>								
Not Accessible	90%							

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Is Abandoned</i>								
Transformers								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Is Abandoned</i>								
Switchgear / Switchboard								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Is Abandoned</i>								
Raceway								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Is Abandoned</i>								
Panelboards								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Is Abandoned</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 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
Under 600 Volts								
Wiring								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Building Is Abandoned</i>						
-----								
Motor Controllers								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Building Is Abandoned</i>						
-----								
Ground								
Grounding Devices								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Building Is Abandoned</i>						
-----								
Stand-by Power								
Transfer Switches								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Building Is Abandoned</i>						
-----								
Generators								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Building Is Abandoned</i>						
-----								
Batteries								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Building Is Abandoned</i>						
-----								
Fuel Storage								
Not Accessible	100%							
-----								
Lighting								
Interior Lighting								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Building Is Abandoned</i>						
-----								
Egress Lighting								
Not Accessible	100%							
-----								
Lightning Protection								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 332 FORMER THEATRE**  
**Asset # : 13766**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Lightning Protection

Arresters/Cabling

Not Accessible

100%

*Other Observation, Extent : Light, Area Affected : 0%**Location : Throughout**Explanation : Building Is Abandoned*

## Alarm

Security System

Not Accessible

100%

*Other Observation, Extent : Light, Area Affected : 0%**Location : Throughout**Explanation : Building Is Abandoned*

Fire/Smoke Detection

Not Accessible

100%

*Other Observation, Extent : Light, Area Affected : 0%**Location : Throughout**Explanation : Building Is Abandoned*

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Heating

Energy Source

Fuel Oil

100%

Now

\$17,200

2056

\*\*

5

\$1,000

*Abandoned in Place, Extent : Severe, Area Affected : 100%**Location : Basement*

Conversion Equipment

Steam Boiler

100%

Now

\$42,400

2046

\*\*

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

\$19,800

2051

\*\*

1

*Abandoned in Place, Extent : Severe, Area Affected : 100%**Location : 2nd Floor*

Conversion Equipment

Interior Pkg Unit -

Cooling

100%

Now

\$147,100

2027

\$245,100

2

\$300

*Abandoned in Place, Extent : Severe, 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**  
**FORT TOTTEN - BLDG. # 332 FORMER THEATRE**  
**Asset # : 13766**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Air Conditioning	Distribution							
	Ductwork/Diffusers	100%	Now	\$70,400	LIFE	* *	2	\$8,200
				<i>Abandoned in Place, Extent : Severe, Area Affected : 100%</i>				
				<i>Location : 2nd Floor</i>				
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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 27-May-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1  
**Block** : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$108,400	
Interior Architecture	\$194,500	
Electrical	\$40,600	\$41,200
Mechanical	\$159,800	\$48,200
<b>Total</b>	<b>\$503,300</b>	<b>\$89,400</b>
Importance Code A	\$144,000	
Importance Code B	\$359,300	\$89,400
<b>Total</b>	<b>\$503,300</b>	<b>\$89,400</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$19,300			
Interior Architecture	\$42,300	\$7,000		\$2,400
Electrical	\$900	\$8,900	\$900	\$900
Mechanical	\$1,400	\$42,000	\$2,300	\$4,900
<b>Total</b>	<b>\$63,900</b>	<b>\$57,900</b>	<b>\$3,200</b>	<b>\$8,200</b>
Importance Code A	\$19,300	\$1,800	\$1,700	\$1,700
Importance Code B	\$44,600	\$56,100	\$1,400	\$6,400
Importance Code C				
<b>Total</b>	<b>\$63,900</b>	<b>\$57,900</b>	<b>\$3,200</b>	<b>\$8,200</b>



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
 \*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 333 QUARTERMASTER**  
**Asset # : 13767**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Exterior Walls									
Alum/Vinyl Siding	15%			2036	**	10	\$1,000		
Cast in Place Concrete	5%	Now	\$13,500	LIFE	**	5	\$5,400		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 50%</i>									
<i>Location : Ramp</i>									
Masonry: Brick	70%	Now	\$50,400	LIFE	**	5	\$15,000		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 30%</i>									
<i>Location : Throughout</i>									
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
<i>Vegetation Growth, Extent : Light, Area Affected : 25%</i>									
<i>Location : Various Locations</i>									
Masonry: Fieldstone	10%			LIFE	**	5	\$1,600		
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>									
<i>Location : Various Locations</i>									
Windows									
Wood	100%			2034	**	5	\$48,200		
<i>Air Infiltration, Extent : Light, Area Affected : 75%</i>									
<i>Location : Various Locations, Due To Window AC Units</i>									
Roof									
Asphalt Shingle	100%	Now	\$5,800	2022		\$57,900			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>									
<i>Location : Various Locations</i>									
Interior									
Floors									
Cast in Place Concrete	20%	Now	\$3,200	LIFE	**	5	\$12,200		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 30%</i>									
<i>Location : Basement</i>									
Ceramic Tile	2%	Now	\$3,600	2035	**	5	\$300		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>									
<i>Location : First Floor Men And Women Restrooms</i>									
<i>Loose Units, Extent : Light, Area Affected : 40%</i>									
<i>Location : First Floor Men And Women Restrooms</i>									
Sheet Vinyl/Rubber	10%			2034	**	5	\$4,200		
Vinyl Tile	48%	Now	\$126,300	2036	**	3	\$5,000		
<i>Patching Evident, Extent : Light, Area Affected : 40%</i>									
<i>Location : First Floor</i>									
Vinyl Tile 9" X 9"	20%	Now	\$68,200	2036	**	3	\$2,100		
<i>Adhesion Failure, Extent : Light, Area Affected : 50%</i>									
<i>Location : Basement</i>									
<i>Broken/Missing Elements, Extent : Light, Area Affected : 50%</i>									
<i>Location : Basement</i>									

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 333 QUARTERMASTER**  
**Asset # : 13767**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Interior

## Interior Walls

Ceramic Tile	2%			2029	\$13,400	5	\$400	
Gypsum Board	38%			LIFE	**	5	\$5,000	
Masonry: Brick	5%			LIFE	**			
Plaster	50%			LIFE	**	5	\$3,300	
Wood	5%			LIFE	**	5	\$4,400	

*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Lobby*

*Explanation : Wainscot*

## Ceilings

AcousTileSusp.Lay-In	50%			2031	**	5	\$13,900	
Embossed Metal	2%	Now	\$5,400	LIFE	**	5	\$300	

*Bent/Warped Elements, Extent : Light, Area Affected : 30%*

*Location : Basement*

*Paint Peeling, Extent : Light, Area Affected : 20%*

*Location : Basement*

Gypsum Board	48%	Now	\$30,100	LIFE	**	5	\$16,700	
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*Broken/Missing Elements, Extent : Light, Area Affected : 30%*

*Location : Basement*

*Cracking/Crumbling, Extent : Light, Area Affected : 20%*

*Location : Throughout*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	50%			2036	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : In Basement Storage Area*

*Explanation : 400 Ampere Main Service Switch*

Fused Disc Sw	50%			2036	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : In Basement Storage Room*

*Explanation : 30 Ampere Fire Alarm Disconnect Switch*

## Raceway

Conduit	90%			2026	\$3,800	1		
Conduit	10%			2036	**	1		

## Panelboards

Molded Case Bkrs	80%			2025	\$6,700	5	\$400	
Molded Case Bkrs	20%			2034	**	5	\$100	

## Wiring

Thermoplastic	80%			2026	\$7,300	1		
Thermoplastic	20%			2036	**	1		

## Motor Controllers

Locally Mounted	100%			2024	\$16,000	5	\$100	
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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**  
**FORT TOTTEN - BLDG. # 333 QUARTERMASTER**  
**Asset # : 13767**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$300	
<b>Stand-by Power</b>								
Transfer Switches Automatic	100%			2031	**	1	\$5,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Emergency Power From Ems Academy Generator</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	96%			2026	\$41,200	10	\$15,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-12 And T-8 Fixtures Are In Use</i>								
HID	4%			2021	\$6,400	10		
<b>Egress Lighting</b>								
Exit, Service No Component	30%			2021	\$1,600	1		
	70%							
<b>Exterior Lighting</b>								
HID	10%			2026	\$7,400	10		
Incandescent	2%			2026	\$1,300	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Of Building</i>								
<i>Explanation : Exterior Globes</i>								
No Component	88%							
<b>Alarm</b>								
<b>Security System</b>								
No Component	80%							
Generic	20%			2026	\$11,900	1	\$1,300	
<b>Fire/Smoke Detection</b>								
No Component	80%							
Generic, Analog	20%	2-4	\$40,600	2036	**	1-3	\$2,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Obsolete System</i>								
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Fuel Oil No 6	100%			2026	\$48,200	5	\$5,500	

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**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 333 QUARTERMASTER**  
**Asset # : 13767**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Steam Boiler	100%	2-4	\$35,600	2031	**	1	\$15,700	
<i>Damaged, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement Flue Duct Needs To Be Repaired / Replaced</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : Oil Fired Steam Boiler</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%	4+	\$124,200	2036	**	4	\$900	
<i>Corroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Terminal Devices								
Convactor/Radiator	100%			2039	**	1	\$5,700	
Air Conditioning								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment								
Split Unit	10%			2034	**			
<i>Recent Installation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement Data Room</i>								
Window/Wall Unit	90%			2021	\$34,400	1		
Heat Rejection								
Evaporative Condenser	100%			2031	**	2	\$12,300	
Ventilation								
Exhaust Fans Roof	100%			2031	**	2	\$500	
Plumbing								
H/C Water Piping Galvanized Steel	100%			2039	**	1		
HW Heat Exchanger Steam Fired	100%			2036	**	4	\$2,600	
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Not Accessible	100%							
Fixtures								
Generic	100%							

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 05-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$52,200	\$1,231,100
Interior Architecture	\$41,900	\$116,600
Electrical		\$181,200
Mechanical	\$51,600	
<b>Total</b>	<b>\$145,600</b>	<b>\$1,528,800</b>
Importance Code A	\$52,200	\$1,231,100
Importance Code B	\$51,600	\$297,800
Importance Code C	\$41,900	
<b>Total</b>	<b>\$145,600</b>	<b>\$1,528,800</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$3,300		\$2,100	
Interior Architecture	\$4,200	\$2,600	\$311,500	\$400
Electrical	\$5,100	\$29,200	\$3,000	\$3,300
Mechanical	\$2,800	\$6,100	\$4,600	\$2,600
<b>Total</b>	<b>\$15,500</b>	<b>\$37,900</b>	<b>\$321,200</b>	<b>\$6,400</b>
Importance Code A	\$4,500	\$1,200	\$3,300	\$1,200
Importance Code B	\$8,000	\$36,700	\$317,900	\$5,200
Importance Code C	\$3,000			
<b>Total</b>	<b>\$15,500</b>	<b>\$37,900</b>	<b>\$321,200</b>	<b>\$6,400</b>



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**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 336 FLSTP BILLETS**  
**Asset # : 13768**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	2%	Now	\$800	LIFE	**	5	\$3,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Boiler Room Entrance, Steps At Entry</i>								
Cast Stone/Terra Cotta	2%			LIFE	**	5	\$5,100	
Masonry: Brick	96%	0-2	\$52,200	LIFE	**	5	\$31,100	
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Brick Open Joints</i>								
Windows								
Aluminum	98%			2042	**	5	\$4,200	
Steel	2%	Now	\$2,500	2042	**	5	\$500	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement Level, Washroom Area</i>								
<i>Explanation : Deteriorated Metal Windows</i>								
Roof								
Built-Up (BUR)	100%			2026		10	\$76,400	
Interior								
Floors								
Carpet	60%			2022	\$300,900	3	\$31,800	
Cast in Place Concrete	10%	Now	\$800	LIFE	**	5	\$7,700	
<i>Water Penetration, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Basement, Washroom Area</i>								
Mosaic Tile	10%			2039	**	5	\$8,800	
Sheet Vinyl/Rubber	10%			2026	\$116,600	5	\$5,300	
Vinyl Tile	10%			2026	\$33,400	3	\$1,800	
Interior Walls								
Cast in Place Concrete	10%	Now	\$41,900	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	20%			2035	**	5	\$6,000	
Concrete Masonry Unit	60%			LIFE	**	5	\$7,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement, Washroom Area</i>								
Gypsum Board	10%			LIFE	**	5	\$1,800	
Ceilings								
AcousTileSusp.Lay-In	10%			2039	**	5	\$3,500	
Plaster	90%			LIFE	**	5	\$19,900	
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>								
<i>Location : First Floor Reception Area</i>								

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**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 336 FLSTP BILLETS**  
**Asset # : 13768**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
	Service Equipment							
	Fused Disc Sw	100%			2046	**	5	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Service Room.</i>					
			<i>Explanation : 800 Amperes Service Switch.</i>					
<hr/>								
	Transformers							
	Dry Type	100%			2039	**	5	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside Electrical Room</i>					
			<i>Explanation : Also Serves Another Building</i>					
<hr/>								
	Switchgear / Switchboard							
	Fused Disc Sw	100%			2052	**	5	\$100
<hr/>								
	Raceway							
	Conduit	100%			2046	**	1	
<hr/>								
	Panelboards							
	Molded Case Bkrs	100%			2048	**	5	\$600
<hr/>								
	Wiring							
	Not Accessible	100%						
<hr/>								
<b>Ground</b>								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : In Laundry Room.</i>					
			<i>Explanation : Ground Connection Partially Covered With Insulation.</i>					
<hr/>								
<b>Stand-by Power</b>								
	Transfer Switches							
	Automatic	100%			2031	**	1	\$7,300
<hr/>								
	Generators							
	Diesel	100%			2029	\$81,400	1	\$9,200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Building Exterior Near Boiler Room</i>					
			<i>Explanation : 80 Kva Generator</i>					
<hr/>								
	Batteries							
	Lead/Acid	100%			2020	\$1,700	5	\$900
<hr/>								
	Fuel Storage							
	Main Tank	100%			2041	**	5	\$700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Building Exterior Near Boiler Room</i>					
			<i>Explanation : Belly Tank</i>					
<hr/>								
<b>Lighting</b>								
	Interior Lighting							
	Fluorescent	98%			2031	**	10	\$21,300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : T-8 And T-12 Fixtures.</i>					
<hr/>								
	Incandescent	2%			2031	**	2	

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**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 336 FLSTP BILLETS**  
**Asset # : 13768**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Lighting**

Egress Lighting								
Emergency, Battery	70%			2031	**	10	\$4,000	
Exit, Battery	30%			2026	\$7,300	10	\$500	
Exterior Lighting								
HID	100%			2026	\$99,800	10	\$100	

**Alarm**

Fire/Smoke Detection								
Generic, Analog	100%			2036	**	1-3	\$14,600	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

Energy Source								
Fuel Oil No 2	100%			2046	**	5	\$7,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Of Building</i>								
<i>Explanation : 3,000 Gallon Tank With Spill Control / Above Ground</i>								

Conversion Equipment								
Hot Water Boiler	100%			2031	**	1	\$11,700	
Distribution								
Hot Wtr Piping/Pump	100%			2034	**	4	\$1,200	
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$7,700	

**Air Conditioning**

Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2021	\$51,600	1		

**Plumbing**

H/C Water Piping								
Brass/Copper	100%			2046	**	1		
HW Heat Exchanger								
Steam Fired	100%			2046	**	4	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Indirect Heating Tank With 100 Gallon Storage</i>								

Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 336 FLSTP BILLETS**  
**Asset # : 13768**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Sump Pump(s) Non-Submersible	100%			2031	**	4	\$500
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Dual Pumps</i>					
	Backflow Preventer No Component Generic	95% 5%			2034	**	1	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					
	Fixtures Generic	100%						
Fire Suppression	Sprinkler Generic	100%			2046	**	1-2	\$6,600

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 05-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$119,200
Electrical	\$9,400	\$49,100
Mechanical	\$46,200	
<b>Total</b>	<b>\$55,600</b>	<b>\$168,300</b>
Importance Code A		\$119,200
Importance Code B	\$55,600	\$49,100
<b>Total</b>	<b>\$55,600</b>	<b>\$168,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$49,900		\$6,100	
Interior Architecture	\$35,500		\$18,800	\$5,600
Electrical	\$3,900	\$2,200	\$2,100	\$1,900
Mechanical	\$3,700	\$6,600	\$3,400	\$3,100
<b>Total</b>	<b>\$93,100</b>	<b>\$8,700</b>	<b>\$30,400</b>	<b>\$10,600</b>
Importance Code A	\$52,200	\$2,500	\$8,300	\$2,200
Importance Code B	\$33,500	\$6,200	\$22,100	\$8,400
Importance Code C	\$7,400			
<b>Total</b>	<b>\$93,100</b>	<b>\$8,700</b>	<b>\$30,400</b>	<b>\$10,600</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. # 405 EMS ACADEMY - CFR TRAINING**  
**Asset # : 13772**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	2%	Now	\$3,700	LIFE	**	5	\$5,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Concrete Steps At Entry</i>								
Masonry: Brick	20%	Now	\$7,800	LIFE	**	5	\$11,700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Building Extension At Rear</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Chimney</i>								
Masonry: Brick	65%			LIFE	**	5	\$37,900	
Masonry: Granite	8%			LIFE	**	5	\$3,500	
Wood	5%	Now	\$34,100	2031	**	5	\$7,300	
<i>Paint Peeling, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : Roof Eaves/ Soffits</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof Eaves/ Soffits</i>								
Windows								
Aluminum	10%	Now	\$1,300	2042	**	5	\$700	
<i>Glazing Broken/Cracked, Extent : Light, Area Affected : 1%</i>								
<i>Location : North Side</i>								
Aluminum	90%			2042	**	5	\$12,200	
Roof								
Asphalt Shingle	90%	Now	\$1,400	2029	\$69,600			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Vent Cap Located On Roof Is Missing</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 8%</i>								
<i>Location : Main Roof, Affecting Second Floor Ceiling Throughout</i>								
Roll Roofing	10%			2025	\$9,300	5	\$3,400	
Interior								
Floors								
Carpet	3%	4+	\$400	2022	\$18,800	3	\$2,000	
<i>Staining/Discoloring, Extent : Light, Area Affected : 30%</i>								
<i>Location : 1st Floor A/v Conference Room</i>								
Cast in Place Concrete	5%			LIFE	**	5	\$4,800	
Mosaic Tile	2%			2039	**	5	\$2,200	
Vinyl Tile	90%	4+	\$7,500	2031	**	3	\$14,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : 1st Floor Cafeteria</i>								
Interior Walls								
Ceramic Tile	2%			2035	**	5	\$800	
Concrete Masonry Unit	2%			LIFE	**	5	\$300	
Masonry: Brick	2%			LIFE	**			
Plaster	94%	Now	\$7,000	LIFE	**	5	\$11,700	
<i>Water Penetration, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : Basement Room B03, Second Floor, Meeting Room</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING**  
**Asset # : 13772**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Interior								
Ceilings								
AcousTile,Adhered	10%	Now	\$900	2031	**	5	\$2,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 8%</i>								
<i>Location : Second Floor, Rooms 203, 210 And Hallway</i>								
AcousTileSusp.Lay-In	30%			2039	**	5	\$13,200	
Plaster	60%	Now	\$19,300	LIFE	**	5	\$16,500	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Classrooms</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 12%</i>								
<i>Location : Basement Room B03, 2nd Floor Offices.</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2046	**	5	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 A Panel With Main Breaker Rated At 400a</i>								
Transformers								
Dry Type	100%			2043	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Next To Generator</i>								
<i>Explanation : 112.5 Kva Transformer</i>								
Raceway								
Conduit	33%			2052	**	1		
Conduit	67%			2036	**	1		
Panelboards								
Molded Case Bkrs	100%			2042	**	5	\$600	
Wiring								
Thermoplastic	33%			2052	**	1		
Thermoplastic	67%			2036	**	1		

Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Ground Connected To Main Water Supply Line</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2039	**	1	\$6,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 400 Amp</i>								

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**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING**  
**Asset # : 13772**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power								
Generators								
Diesel	100%			2035	**	1	\$8,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 80 Kw Cummins Generator</i>								
Batteries								
Lead/Acid	100%			2020	\$1,700	5	\$800	
Fuel Storage								
Main Tank	100%			2054	**	5	\$700	
Lighting								
Interior Lighting								
Fluorescent	90%			2026	\$49,100	10	\$18,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Using T8 And T12 Lamps</i>								
Incandescent	10%			2031	**	2	\$100	
Egress Lighting								
Emergency, Service	50%			2026	\$6,100	1		
Exit, Service	50%			2026	\$3,400	1		
Exterior Lighting								
HID	10%			2021	\$9,400	10		
HID	50%			2031	**	10		
No Component	40%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2031	**	1	\$2,500	

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Fuel Oil No 2	100%			2046	**	5	\$6,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2,000 Gallon Double Wall Monitored Tank</i>								
Conversion Equipment								
Steam Boiler	100%			2039	**	1	\$22,200	
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$1,700	
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$7,200	

## Air Conditioning

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**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
<b>Energy Source</b>								
	Electricity	100%			2042	* *	1	
<b>Conversion Equipment</b>								
	Split Unit	5%			2031	* *		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Room 200</i>					
			<i>Explanation : Refrigerant 410a</i>					
	Window/Wall Unit	95%			2021	\$46,200	1	
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%			2046	* *	1	
<b>Water Heater</b>								
	Oil Fired	100%			2024	\$19,400	1	\$700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 - 70 Gallon Unit</i>					
<b>Sanitary Piping</b>								
	Cast Iron	100%			LIFE	* *	1	
<b>Storm Drain Piping</b>								
	Cast Iron	100%			LIFE	* *	1	
<b>Sump Pump(s)</b>								
	Non-Submersible	100%			2026	\$3,600	4	\$500
<b>Backflow Preventer</b>								
	No Component	95%						
	Generic	5%			2034	* *	1	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
<b>Sprinkler</b>								
	No Component	80%						
	Generic	20%			2046	* *	1-2	\$1,300

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 09-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$36,800	\$38,500
Interior Architecture	\$149,900	
Electrical	\$5,700	
<b>Total</b>	<b>\$192,500</b>	<b>\$38,500</b>
Importance Code A	\$36,800	\$38,500
Importance Code B	\$97,700	
Importance Code C	\$58,000	
<b>Total</b>	<b>\$192,500</b>	<b>\$38,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$55,400			
Interior Architecture	\$29,800			
Electrical	\$32,000	\$17,700	\$200	
Mechanical	\$1,500	\$7,100	\$1,800	\$1,300
<b>Total</b>	<b>\$118,700</b>	<b>\$24,800</b>	<b>\$2,000</b>	<b>\$1,300</b>
Importance Code A	\$56,400	\$1,000	\$1,000	\$1,000
Importance Code B	\$61,500	\$23,800	\$1,000	\$400
Importance Code C	\$900			
<b>Total</b>	<b>\$118,700</b>	<b>\$24,800</b>	<b>\$2,000</b>	<b>\$1,300</b>



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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. # 415 FLSTP - DINING HALL**  
**Asset # : 13777**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	40%	Now	\$8,600	LIFE	**	5	\$5,100	
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : A Side Front Entrance</i>								
Masonry: Brick	30%			LIFE	**	5	\$3,900	
Masonry: Granite	20%			LIFE	**	5	\$1,900	
Wood	10%	Now	\$30,000	2039	**	5	\$3,200	
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Replacement Deteriorated, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Porch Floors (Ply-wood Replacement Deteriorating)</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Rotted Wood On Porch Floors And Frieze Boards Above Porches.</i>								
Windows								
Wood	100%	Now	\$9,000	2051	**	5	\$1,100	
<i>Glazing Broken/Cracked, Extent : Light, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Thermally Inefficient, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All</i>								
Roof								
Roll Roofing	30%	2-4	\$7,700	2028	\$38,500	5	\$7,000	
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Porch Roofs</i>								
Slate	70%	Now	\$36,800	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Attic Spaces Below Roof, Chimney</i>								
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : All.</i>								
<i>Explanation : All Roof Flashing Rusted And Or Lifting.</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG. # 415 FLSTP - DINING HALL**  
**Asset # : 13777**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	36%	Now	\$3,100	LIFE	**	5	\$11,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Basement.</i>								
Ceramic Tile	2%	Now	\$1,300	2035	**	5	\$100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Broken / Missing Tiles Throughout</i>								
Vinyl Tile	2%	Now	\$2,800	2036	**	3	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Kitchen And Storage Area On A Side</i>								
<i>Explanation : Vinyl Floor Has Gaps Missing Pieces And Delamination.</i>								
Wood	40%	0-2	\$21,700	2054	**	5	\$5,600	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Wood	20%			2054	**	5	\$5,600	
<b>Interior Walls</b>								
Ceramic Tile	2%	Now	\$900	2035	**	5	\$100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 4%</i>								
<i>Location : Bathrooms</i>								
Gypsum Board	2%			LIFE	**	5	\$200	
Masonry: Brick	5%			LIFE	**			
Metal Panel	2%			LIFE	**			
Granite Panels	15%			LIFE	**			
Plaster	74%	Now	\$58,000	LIFE	**	5	\$3,200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : A Side, Throughout</i>								
<i>Deteriorated Finish, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout, Mostly A Storage Side</i>								
<b>Ceilings</b>								
Embossed Metal	15%			LIFE	**	5	\$1,000	
Plaster	85%	Now	\$91,900	LIFE	**	5	\$7,900	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2-100 Amperes Service Switches</i>								
<b>Raceway</b>								
Conduit	100%			2036	**	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**  
**FORT TOTTEN - BLDG. # 415 FLSTP - DINING HALL**  
**Asset # : 13777**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Panelboards</b>								
Molded Case Bkrs	100%			2042	**	5	\$300	
<b>Wiring</b>								
Braided Cloth	70%	0-2	\$6,400	2051	**	1		
<i>Insulation Aged, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	30%			2036	**	1		
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	50%			LIFE	**	5	\$100	
Generic	50%	Now	\$2,600	LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement Building 415a</i>								
<i>Explanation : Ground Wire Not Connected To Clamp On Water Pipe.</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	10%			2026	\$2,400	10	\$900	
Incandescent	10%			2021	\$5,700	2		
Incandescent	80%	Now	\$23,000	2031	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Damaged Fixtures And Missing At Some Locations.</i>								
<b>Exterior Lighting</b>								
HID	50%			2031	**	10		
Incandescent	50%			2021	\$17,600	2		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Fuel Oil No 2	100%			2036	**	5	\$3,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 275 Gallon Tanks</i>								
<b>Conversion Equipment</b>								
Steam Boiler	100%			2039	**	1	\$9,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : (2) Oil Fired Steam Boiler.</i>								
<b>Distribution</b>								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$700	
<b>Terminal Devices</b>								
Convactor/Radiator	100%			2031	**	1	\$3,200	

**Air Conditioning**

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>	
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Air Conditioning</b>									
<b>Energy Source</b>									
	Electricity	100%			2042	* *	1		
<b>Conversion Equipment</b>									
	Window/Wall Unit	20%			2021	\$4,300	1		
	No Component	80%							
<b>Plumbing</b>									
<b>H/C Water Piping</b>									
	Brass/Copper	100%			2046	* *	1		
<b>HW Heat Exchanger</b>									
	Steam Fired	100%			2046	* *	4	\$1,000	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
				<i>Explanation : Domestic Coils, 40 Gallon Storage B Side</i>					
<b>Sanitary Piping</b>									
	Cast Iron	100%			LIFE	* *	1		
<b>Fixtures</b>									
	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 10-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$77,800	
<b>Total</b>	<b>\$77,800</b>	
Importance Code A	\$77,800	
<b>Total</b>	<b>\$77,800</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$63,900			\$2,100
Interior Architecture	\$3,100	\$4,900		
Electrical	\$6,400	\$4,500		
Mechanical	\$400	\$10,500	\$700	\$400
<b>Total</b>	<b>\$73,800</b>	<b>\$19,800</b>	<b>\$700</b>	<b>\$2,500</b>
Importance Code A	\$64,200	\$200	\$200	\$2,300
Importance Code B	\$6,600	\$19,600	\$500	\$100
Importance Code C	\$3,000			
<b>Total</b>	<b>\$73,800</b>	<b>\$19,800</b>	<b>\$700</b>	<b>\$2,500</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.# 134 A AND B 1B MEDICAL BOARD**  
**Asset # : 13741**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Cast in Place Concrete	10%	Now	\$26,500	LIFE	**	5	\$7,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Exterior Stairs And Railing</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Exterior Stairs</i>								
Cement-Fiber Panel	5%	Now	\$2,200	2031	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	55%	Now	\$77,800	LIFE	**	5	\$7,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout.</i>								
Masonry: Brick	15%			LIFE	**	5	\$2,100	
Pre-Cast Concrete	5%			LIFE	**	5	\$2,300	
Wood	10%	Now	\$32,800	2039	**	5	\$3,500	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Eaves, Soffits, Gables</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Windows</b>								
Aluminum	100%			2048	**	5	\$4,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Roof</b>								
Asphalt Shingle	85%			2035	**	10	\$1,600	
Copper/Terne	15%	Now	\$2,500	2054	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof Surface</i>								
<i>Explanation : Flashing Misaligned And Deteriorated.</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	10%			LIFE	**	5	\$1,300	
Ceramic Tile	5%	4+	\$100	2039	**	5	\$100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bathroom.</i>								
<i>Recent Installation, Extent : Light, Area Affected : 50%</i>								
<i>Location : 1st Floor Bathrooms</i>								
Vinyl Tile	5%			2036	**	3	\$100	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	80%			2066	**	5	\$8,800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG.# 134 A AND B 1B MEDICAL BOARD**  
**Asset # : 13741**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	5%			2039	**	5	\$200	
<i>Recent Construction, Extent : Light, Area Affected : 65%</i>								
<i>Location : 1st Floor Bathrooms</i>								
Gypsum Board	40%			LIFE	**	5	\$800	
Masonry: Brick	10%	Now	\$2,700	LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Plaster	45%	4+	\$300	LIFE	**	5	\$400	
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement Stairwell</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	15%			2046	**	5	\$900	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Bathroom</i>								
Plaster	85%			LIFE	**	5	\$3,100	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	50%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Buildings A And B</i>								
<i>Explanation : Two (2) Fused Disconnect Service Switches</i>								
Molded Case Bkrs	50%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Buildings A And B</i>								
<i>Explanation : Two (2) Electrical Panels</i>								
<b>Raceway</b>								
Conduit	75%			2026	\$3,100	1		
Conduit	25%			2046	**	1		
<b>Wiring</b>								
Braided Cloth	70%	0-2	\$6,400	2051	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Old Brittle Insulation Falling Off.</i>								
Thermoplastic	30%			2036	**	1		

**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**  
**FORT TOTTEN - BLDG.# 134 A AND B 1B MEDICAL BOARD**  
**Asset # : 13741**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<b>Lighting</b>								
Interior Lighting Fluorescent	99%			2031	**	10	\$3,900	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	1%			2021	\$300	2		
Egress Lighting Exit, Battery	100%			2031	**	10	\$300	
Exterior Lighting HID	75%			2026	\$13,700	10		
No Component	25%							
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source Fuel Oil No 2	100%			2036	**	5	\$1,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : A Side - 1 275 Gallon Tank B Side - 2 275 Gallon Tanks</i>								
Conversion Equipment Hot Water Boiler	100%			2039	**	1	\$2,200	
Distribution Hot Wtr Piping/Pump	100%			2034	**	4	\$200	
Terminal Devices Convactor/Radiator	100%			2031	**	1	\$1,400	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment Window/Wall Unit	100%			2021	\$9,400	1		
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	100%			2046	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : A Side</i>								
HW Heat Exchanger Steam Fired	100%			2046	**	4	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : A Side - Domestic Coil / No Storage; B Side - Domestic Coil With 40 Gallons</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG.# 134 A AND B 1B MEDICAL BOARD**  
**Asset # : 13741**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>			
<b>System</b>	<b>Component</b>	<b>% of</b>	<b>Fail Date</b>	<b>Estimated Cost</b>	<b>Year</b>	<b>Estimated Cost</b>	<b>Cycle</b>	<b>Estimated Cost</b>	<b>Priority</b>
	<b>Type</b>	<b>Total</b>	<b>(Years)</b>		<b>FY</b>		<b>(Yrs)</b>		
Plumbing									
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
<hr/>									
	Fixtures								
	Generic	100%							
<hr/>									

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
 Estimates are rounded to the nearest hundred dollars.  
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
 \*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 10-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 5917 **Lot** : 1 **BIN** :

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$6,300		\$300	
Interior Architecture	\$10,700	\$3,500	\$100	
Electrical	\$12,000	\$18,300		
Mechanical	\$400	\$10,300	\$700	\$400
<b>Total</b>	<b>\$29,300</b>	<b>\$32,100</b>	<b>\$1,000</b>	<b>\$400</b>
Importance Code A	\$8,200	\$200	\$500	\$200
Importance Code B	\$10,600	\$31,900	\$600	\$200
Importance Code C	\$10,500			
<b>Total</b>	<b>\$29,300</b>	<b>\$32,100</b>	<b>\$1,000</b>	<b>\$400</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.# 316 A AND B COMMUNICATIONS**  
**Asset # : 13759**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cement-Fiber Panel	10%	Now	\$200	2031		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Masonry: Brick	65%			LIFE		**	\$3,800	
Wood	18%	Now	\$6,100	2039		**	\$2,600	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout Exterior.</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof Soffits, Gutters, Frieze</i>								
Wood	7%			2039		**	\$2,000	
Windows								
Aluminum	100%			2042		**	\$500	
Roof								
Asphalt Shingle	95%			2035		**	\$600	
Copper/Terne	5%			2054		**	\$500	
Interior								
Floors								
Cast in Place Concrete	25%			LIFE		**	\$3,400	
Ceramic Tile	5%			2035		**	\$300	
Vinyl Tile	8%			2031		**	\$200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Vinyl Tile 9" X 9"	2%			2026	\$1,500	3	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Entry Foyer</i>								
<i>Explanation : 9 X 9 Tiles</i>								
Wood	60%			2061		**	\$7,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$2,700	2029	\$13,700	5	\$200	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bathrooms.</i>								
Masonry: Brick	10%	Now	\$7,700	LIFE		**		
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Plaster	85%			LIFE		**	\$2,300	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG.# 316 A AND B COMMUNICATIONS**  
**Asset # : 13759**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

## Interior

## Ceilings

## Plaster

100%      LIFE      \* \*      5      \$3,900  
*Recent Repair Evident, Extent : Light, Area Affected : 100%*  
*Location : Throughout*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

## Under 600 Volts

## Service Equipment

## Molded Case Bkrs

100%      Now      \$1,600      2056      \* \*      5      \$100  
*On Extended Life, Extent : Light, Area Affected : 100%*  
*Location : Basement*  
*Recent Replace Evident, Extent : Light, Area Affected : 50%*  
*Location : Recently Replaced Service Panel In Basement*  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Building 316b Basement*  
*Explanation : 1-100 Amperes Service Switch.*

## Raceway

## Conduit

100%      2026      \$4,200      1

## Panelboards

## Molded Case Bkrs

100%      2034      \* \*      5      \$100  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Throughout House*  
*Explanation : There Are No Other Electrical Panels Except The Service Panels Noted Above.*

## Wiring

## Braided Cloth

90%      2-4      \$8,200      2051      \* \*      1  
*Insulation Damaged, Extent : Light, Area Affected : 100%*  
*Location : Throughout The Building*

## Thermoplastic

10%      2026      \$900      1

## Ground

## Grounding Devices

## Generic

100%      0-2      \$2,100      LIFE      \* \*      5      \$100  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Basement*  
*Explanation : Ground Connection Corroded*

## Lighting

## Interior Lighting

## Fluorescent

50%      2031      \* \*      10      \$2,000  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Throughout The Building*  
*Explanation : Recently Replaced Incandescent Lighting With T-8 Fluorescent Lights*

## Incandescent

50%      2021      \$12,500      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**  
**FORT TOTTEN - BLDG.# 316 A AND B COMMUNICATIONS**  
**Asset # : 13759**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Lighting

Exterior Lighting								
Incandescent	25%			2021	\$3,800	2		
No Component	75%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Heating

Energy Source								
Fuel Oil No 2	100%			2036	**	5	\$1,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : B Side 2 - 275 Gallon Tanks</i>								

Conversion Equipment								
Hot Water Boiler	100%			2039	**	1	\$2,100	

Distribution								
Hot Wtr Piping/Pump	100%			2034	**	4	\$200	

Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$1,400	

## Air Conditioning

Energy Source								
Electricity	100%			2042	**	1		

Conversion Equipment								
Window/Wall Unit	100%			2021	\$9,300	1		

## Plumbing

H/C Water Piping								
Brass/Copper	100%			2046	**	1		

HW Heat Exchanger								
Steam Fired	100%			2046	**	4	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : A And B Basement</i>								
<i>Explanation : Domestic Coil With No Storage</i>								

Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

Sump Pump(s)								
Non-Submersible	100%			2026	\$700	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 02-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 5917 **Lot** : 1 **BIN** : 4453917

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$44,100	
<b>Total</b>	<b>\$44,100</b>	
Importance Code A	\$44,100	
<b>Total</b>	<b>\$44,100</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$28,100			
Interior Architecture	\$19,800	\$8,700		\$200
Electrical	\$8,500	\$20,200	\$1,100	\$1,000
Mechanical	\$2,600	\$15,000	\$2,000	\$1,400
<b>Total</b>	<b>\$59,000</b>	<b>\$44,000</b>	<b>\$3,100</b>	<b>\$2,600</b>
Importance Code A	\$29,100	\$1,100	\$1,100	\$1,100
Importance Code B	\$27,500	\$42,900	\$2,000	\$1,500
Importance Code C	\$2,400			
<b>Total</b>	<b>\$59,000</b>	<b>\$44,000</b>	<b>\$3,100</b>	<b>\$2,600</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.# 400 A AND B FIRE PREVENTION DISTRICT OFFICE**  
**Asset # : 13771**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$13,200	
Granite Panels	10%			LIFE	**	5	\$1,400	
Wood	20%	Now	\$44,100	2039	**	5	\$9,400	
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Entry Porches</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Roof Eaves/ Cornice</i>								
Windows								
Wood	100%	Now	\$28,100	2042	**	5	\$11,200	
<i>Air Infiltration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	100%			2035	**	10	\$2,200	
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$10,200	
Ceramic Tile	2%	Now	\$100	2035	**	5	\$200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Throughout.</i>								
Vinyl Tile	8%	Now	\$2,400	2031	**	3	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen And Various Offices</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Wood	60%			2041	**	5	\$17,500	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Attic/ 3rd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG.# 400 A AND B FIRE PREVENTION DISTRICT OFFICE**  
**Asset # : 13771**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	3%	Now	\$100	2035	**	5	\$100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Bathrooms</i>								
Masonry: Brick	10%			LIFE	**			
Granite Panels	10%			LIFE	**			
Plaster	75%	Now	\$2,200	LIFE	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Basement Gymnasium Room</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement Gymnasium Room</i>								
Wood	2%			LIFE	**	5	\$500	
<b>Ceilings</b>								
Embossed Metal	34%			LIFE	**	5	\$2,400	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
Plaster	66%	Now	\$15,000	LIFE	**	5	\$6,400	
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Rooms 20 And 21, Stairway Ceiling</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Rooms 20 And 21</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Areas A And B</i>								
<i>Explanation : (2) 100 Amperes Service Switches</i>								
<b>Raceway</b>								
Conduit	75%			2026	\$3,100	1		
Conduit	25%			2046	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2042	**	5	\$300	
<b>Wiring</b>								
Braided Cloth	40%	2-4	\$3,600	2051	**	1		
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Thermoplastic	60%			2036	**	1		

**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**  
**FORT TOTTEN - BLDG.# 400 A AND B FIRE PREVENTION DISTRICT OFFICE**  
**Asset # : 13771**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement Section A</i>								
<i>Explanation : Ground Wire Connected To Line Side Of Water Meter, No Wire Jumper To Load Side Of Meter.</i>								
<b>Stand-by Power</b>								
Transfer Switches Automatic	100%			2043	**	1	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior Behind Primary Transformer</i>								
<i>Explanation : Serves Buildings #400, #401 And #402.</i>								
Generators Diesel	100%			2039	**	1	\$4,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 125 Kw Generator Serves Buildings #400, #401 And #402</i>								
Fuel Storage Main Tank	100%			2061	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : Belly Tank Located Below Generator</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	70%			2026	\$18,700	10	\$7,000	
Incandescent	30%			2021	\$19,100	2	\$100	
Exterior Lighting Incandescent	100%	0-2	\$3,900	2031	**	2		
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Porch Location</i>								
<b>Alarm</b>								
Security System No Component Generic	50%			2026	\$18,400	1	\$2,000	

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Fuel Oil No 2	100%			2036	**	5	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 275 Gallon Tanks Each Side</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG.# 400 A AND B FIRE PREVENTION DISTRICT OFFICE**  
**Asset # : 13771**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
	Conversion Equipment Steam Boiler	100%			2039	**	1	\$10,800
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - Boiler Each Side</i>								
<hr/>								
	Distribution Central Plant Steam Piping/Pmp	100%			2036	**	4	\$800
<hr/>								
	Terminal Devices Convactor/Radiator	100%	Now	\$1,200	2031	**	1	\$3,200
<i>Leak Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : 1st Floor Front</i>								
<hr/>								
<b>Air Conditioning</b>								
	Energy Source Electricity	100%			2042	**	1	
<hr/>								
	Conversion Equipment Window/Wall Unit No Component	50%			2021		1	\$11,900
<hr/>								
<b>Plumbing</b>								
	H/C Water Piping Brass/Copper	100%			2036	**	1	
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : A Side</i>								
<hr/>								
	HW Heat Exchanger Steam Fired	100%			2046	**	4	\$1,100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Domestic Coil With 40 Gallon Storage Each Side</i>								
<hr/>								
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
<hr/>								
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
<hr/>								
	Fixtures Generic	100%						
<hr/>								

*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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 02-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 5917 **Lot** : 1 **BIN** : 4453921

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Mechanical		\$293,700
<b>Total</b>		<b>\$293,700</b>
Importance Code A		\$81,200
Importance Code B		\$212,400
<b>Total</b>		<b>\$293,700</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$8,400			\$1,500
Interior Architecture	\$14,100			\$100
Electrical	\$6,000	\$18,500	\$1,000	\$800
Mechanical	\$6,800	\$27,000	\$1,900	\$1,600
<b>Total</b>	<b>\$35,300</b>	<b>\$45,500</b>	<b>\$2,900</b>	<b>\$4,100</b>
Importance Code A	\$9,600	\$1,200	\$1,200	\$2,700
Importance Code B	\$24,200	\$44,300	\$1,700	\$1,400
Importance Code C	\$1,500			
<b>Total</b>	<b>\$35,300</b>	<b>\$45,500</b>	<b>\$2,900</b>	<b>\$4,100</b>



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
 \*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG.# 401 A AND B FIRE/LIFE SAFETY EDUCATION BLDG.**  
**Asset # : 13769**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	70%			LIFE	**	5	\$16,900		
Granite Panels	25%			LIFE	**	5	\$4,500		
Wood	5%	0-2	\$3,500	2039	**	5	\$3,000		
<i>Deteriorated Finish, Extent : Severe, Area Affected : 30%</i>									
<i>Location : Throughout Columns And Rails</i>									
<i>Paint Peeling, Extent : Light, Area Affected : 30%</i>									
<i>Location : Porch Floor And Steps</i>									
Windows									
Aluminum	100%			2048	**	5	\$3,000		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
Roof									
Asphalt Shingle	100%	Now	\$4,800	2035	**				
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Roof</i>									
Interior									
Floors									
Cast in Place Concrete	10%			LIFE	**	5	\$3,800		
Ceramic Tile	10%			2035	**	5	\$1,700		
Vinyl Tile	5%	Now	\$200	2031	**	3	\$300		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Throughout.</i>									
Wood	40%	Now	\$5,100	2054	**	5	\$6,500		
<i>Deteriorated Finish, Extent : Light, Area Affected : 40%</i>									
<i>Location : Throughout</i>									
Wood	35%			2054	**	5	\$11,400		
Interior Walls									
Ceramic Tile	2%			2035	**	5	\$300		
Gypsum Board	25%			LIFE	**	5	\$2,500		
<i>Repairs in Progress, Extent : Light, Area Affected : 2%</i>									
<i>Location : Stairwell Wall Between 1st And 2nd Floors</i>									
Granite Panels	28%			LIFE	**				
Plaster	45%	2-4	\$1,300	LIFE	**	5	\$2,200		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>									
<i>Location : Throughout.</i>									
Ceilings									
Plaster	52%	Now	\$6,500	LIFE	**	5	\$5,500		
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : 3rd Floor Ceiling Over Training Area</i>									
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>									
<i>Location : 3rd Floor Ceiling Over Training Area</i>									
Plaster	48%			LIFE	**	5	\$5,100		

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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**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Service Rooms, Sections A And B</i>								
<i>Explanation : 2-100 Amperes Service Switches</i>								
<hr/>								
Raceway								
Conduit	75%			2026	\$3,100	1		
Conduit	25%			2046	**	1		
<hr/>								
Panelboards								
Molded Case Bkrs	100%			2042	**	5	\$300	
<hr/>								
Wiring								
Thermoplastic	75%			2026	\$6,800	1		
Thermoplastic	25%			2046	**	1		
<hr/>								
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement Section A</i>								
<i>Explanation : Common Ground Wire Connected To Water Main And Ground Rod</i>								
<hr/>								
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2046	**	1	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior Behind Primary Transformer</i>								
<i>Explanation : Serves Buildings #400, #401 And #402.</i>								
<hr/>								
Generators								
Diesel	100%			2041	**	1	\$4,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : Serves Buildings #400, #401 And #402.</i>								
<hr/>								
Fuel Storage								
Main Tank	100%			2066	**	5	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location :</i>								
<i>Explanation : Belly Tank Located Below Generator</i>								
<hr/>								
<b>Lighting</b>								
Interior Lighting								
Fluorescent	75%			2026	\$22,000	10	\$8,300	
Incandescent	25%			2021	\$17,500	2	\$100	
<hr/>								
Exterior Lighting								
HID	80%			2034	**	10		
Incandescent	20%	0-2	\$5,200	2031	**	2		
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior Building Porches</i>								
<hr/>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG.# 401 A AND B FIRE/LIFE SAFETY EDUCATION BLDG.**  
**Asset # : 13769**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
	Energy Source							
	Fuel Oil No 2	100%			2036	**	5	\$3,700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 - 275 Gallon Tanks Each Side</i>					
	Conversion Equipment							
	Steam Boiler	100%			2024	\$81,200	1	\$11,900
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 - Unit Each Side</i>					
	Distribution							
	Central Plant Steam Piping/Pmp	100%			2026	\$212,400	4	\$600
	Terminal Devices							
	Convactor/Radiator	100%			2031	**	1	\$3,900
<b>Air Conditioning</b>								
	Energy Source							
	Electricity	100%			2042	**	1	
	Conversion Equipment							
	Window/Wall Unit	90%			2021	\$23,500	1	
	No Component	10%						
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2036	**	1	
	Water Heater							
	Oil Fired	50%			2020	\$5,200	1	\$200
	Under Construction	50%						
	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 02-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 5917 **Lot** : 1 **BIN** : 4453923

**CAPITAL**

**Total**

Importance Code

**Total**

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$1,400		\$1,500	
Interior Architecture	\$3,100			
Electrical	\$800	\$21,300	\$1,000	\$800
Mechanical	\$3,700	\$29,600	\$2,200	\$1,600
<b>Total</b>	<b>\$9,100</b>	<b>\$50,900</b>	<b>\$4,700</b>	<b>\$2,400</b>
Importance Code A	\$2,600	\$1,200	\$2,700	\$1,200
Importance Code B	\$6,000	\$49,700	\$2,000	\$1,200
Importance Code C	\$400			
<b>Total</b>	<b>\$9,100</b>	<b>\$50,900</b>	<b>\$4,700</b>	<b>\$2,400</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.# 402 A AND B FIRE MARSHALS**  
**Asset # : 13770**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	70%			LIFE	**	5	\$16,900	
Granite Panels	25%			LIFE	**	5	\$4,500	
Wood	5%	Now	\$1,400	2039	**	5	\$3,000	
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Entry Porches</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : Entry Porches</i>								
<hr/>								
<b>Windows</b>								
Aluminum	100%			2042	**	5	\$3,000	
<hr/>								
<b>Roof</b>								
Asphalt Shingle	100%			2035	**	10	\$2,100	
<hr/>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	30%			LIFE	**	5	\$11,400	
Ceramic Tile	8%			2035	**	5	\$1,400	
Vinyl Tile	2%			2031	**	3	\$100	
Wood	60%			2054	**	5	\$19,500	
<hr/>								
<b>Interior Walls</b>								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2039	**	5	\$800	
Gypsum Board	25%			LIFE	**	5	\$2,500	
Masonry: Brick	18%			LIFE	**			
Granite Panels	25%			LIFE	**			
Plaster	15%	Now	\$400	LIFE	**	5	\$700	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Chimney Chase Walls</i>								
<hr/>								
Wood	2%			LIFE	**	5	\$1,300	
<hr/>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	6%			2039	**	5	\$1,000	
Embossed Metal	25%			LIFE	**	5	\$1,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Embossed Metal Ceiling, Painted</i>								
<hr/>								
Gypsum Board	29%			LIFE	**	5	\$6,200	
Plaster	40%	Now	\$2,000	LIFE	**	5	\$4,300	
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : Water Damage In 1st Floor Office And Third Floor By Chimney Chase Walls</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG.# 402 A AND B FIRE MARSHALS**  
**Asset # : 13770**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
	Service Equipment							
	Fused Disc Sw	100%			2046	**	5	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Service Room</i>					
			<i>Explanation : 2-100 Amperes Service Switches</i>					
	Raceway							
	Conduit	65%			2036	**	1	
	Conduit	35%			2046	**	1	
	Panelboards							
	Molded Case Bkrs	100%			2042	**	5	\$300
	Wiring							
	Thermoplastic	65%			2036	**	1	
	Thermoplastic	35%			2046	**	1	
<b>Ground</b>								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$200
<b>Stand-by Power</b>								
	Transfer Switches							
	Automatic	100%			2046	**	1	\$3,700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Building Exterior Being Primary Transformer</i>					
			<i>Explanation : Serves Buildings #400, #401 And #402.</i>					
	Generators							
	Diesel	100%			2041	**	1	\$4,700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Building Exterior</i>					
			<i>Explanation : 125 Kilowatts Generator Serves Buildings No. 400, 401 And 402.</i>					
	Fuel Storage							
	Main Tank	100%			2066	**	5	\$400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Building Exterior</i>					
			<i>Explanation : Belly Tank Located Below Generator</i>					
<b>Lighting</b>								
	Interior Lighting							
	Fluorescent	99%			2031	**	10	\$10,900
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
	Incandescent	1%			2021	\$700	2	
	Egress Lighting							
	Emergency, Service	50%			2026	\$3,300	1	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : Recently Installed Egress Fixtures.</i>					
	Exit, Service	50%			2026	\$1,800	1	
	Exterior Lighting							
	HID	80%			2031	**	10	
	Incandescent	20%			2021	\$8,600	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**  
**FORT TOTTEN - BLDG.# 402 A AND B FIRE MARSHALS**  
**Asset # : 13770**

Mechanical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
<b>Heating</b>								
Energy Source Fuel Oil No 2	100%			2036	**	5	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 275 Gallon Tanks Each Side</i>								
Conversion Equipment Steam Boiler	100%			2039	**	1	\$11,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - Boiler On Each Side</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2036	**	4	\$900	
Terminal Devices Convector/Radiator	100%			2031	**	1	\$3,900	
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment Window/Wall Unit	100%			2021		1	\$26,200	
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	100%			2036	**	1		
HW Heat Exchanger Steam Fired	100%			2046	**	4	\$1,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Domestic Coil In Boiler With 40 Gallon Storage Tank On Each Side</i>								
Sanitary Piping Cast Iron	100%	Now	\$1,800	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Fixtures Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 05-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Interior Architecture	\$63,000	
<b>Total</b>	<b>\$63,000</b>	
Importance Code B	\$63,000	
<b>Total</b>	<b>\$63,000</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$16,400		\$7,500	\$4,000
Interior Architecture	\$41,100		\$6,000	\$100
Electrical	\$6,000	\$17,100	\$1,100	\$1,100
Mechanical	\$2,800	\$33,800	\$1,800	\$1,800
<b>Total</b>	<b>\$66,400</b>	<b>\$50,900</b>	<b>\$16,400</b>	<b>\$6,900</b>
Importance Code A	\$17,800	\$1,500	\$8,900	\$5,400
Importance Code B	\$41,000	\$49,400	\$7,600	\$1,600
Importance Code C	\$7,600			
<b>Total</b>	<b>\$66,400</b>	<b>\$50,900</b>	<b>\$16,400</b>	<b>\$6,900</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**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	75%			LIFE	**	5	\$20,200	
Masonry: Granite	10%			LIFE	**	5	\$2,000	
Wood	15%	Now	\$4,700	2031	**	5	\$10,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Wood Screen At Rear Porch 409b</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Porches And Eave Located At Rear Facade</i>								
<b>Windows</b>								
Aluminum	100%			2048	**	5	\$8,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Roof</b>								
Roll Roofing	10%			2022	\$6,400	5	\$2,300	
Slate	90%	Now	\$11,700	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
<b>Interior</b>								
<b>Floors</b>								
Carpet	2%			2022	\$5,800	3	\$600	
Cast in Place Concrete	5%			LIFE	**	5	\$2,200	
Mosaic Tile	2%			2039	**	5	\$1,000	
Vinyl Tile	2%			2026	\$3,900	3	\$200	
Wood	89%	Now	\$33,500	2041	**	5	\$17,100	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : First Floor</i>								
<b>Interior Walls</b>								
Ceramic Tile	2%	Now	\$600	2035	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor Bathroom</i>								
Concrete Masonry Unit	2%			LIFE	**	5	\$400	
Masonry: Brick	10%			LIFE	**			
Plaster	86%	Now	\$7,000	LIFE	**	5	\$11,800	
<i>Horizontal Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Floor Office</i>								
<b>Ceilings</b>								
Embossed Metal	30%			LIFE	**	5	\$2,800	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor Offices</i>								
Plaster	70%	Now	\$63,000	LIFE	**	5	\$9,000	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd And 3rd Floor, Various Spaces</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. 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**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
	Fused Disc Sw	50%			2046	**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 409a And 409b Basement</i>								
<i>Explanation : Two (2) 100 Amperes Fused Disconnect Switch</i>								
	Molded Case Bkrs	50%			2046	**	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 409a And 409b Basement</i>								
<i>Explanation : Two (2) Service Panels, 225a Rating</i>								
<b>Raceway</b>								
	Conduit	20%			2052	**	1	
	Conduit	80%			2036	**	1	
<b>Panelboards</b>								
	Molded Case Bkrs	100%			2034	**	5	\$400
<b>Wiring</b>								
	Thermoplastic	20%			2052	**	1	
	Thermoplastic	80%			2036	**	1	
<b>Ground</b>								
<b>Grounding Devices</b>								
	Generic	100%			LIFE	**	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 409a And 409b Basement</i>								
<i>Explanation : Ground Attached To Main Water Line</i>								
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
	Automatic	100%			2039	**	1	\$4,200
<b>Generators</b>								
	Diesel	100%			2035	**	1	\$5,300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 125 Kilowatts Generator Serves Buildings 409, 411</i>								
<b>Fuel Storage</b>								
	Main Tank	100%			2054	**	5	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior Under Generator</i>								
<i>Explanation : 250 Gallon Belly Tank</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
	Fluorescent	95%			2031	**	10	\$12,000
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
	Incandescent	5%			2021	\$4,000	2	
<b>Exterior Lighting</b>								
	Incandescent	50%	0-2	\$4,900	2031	**	2	
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior Porches</i>								
	No Component	50%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG.# 409 A AND B EMS ADMIN, RESEARCH AND DEVELOP.**  
**Asset # : 13774**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Alarm

Security System								
No Component	75%							
Generic	25%			2026	\$11,600	1	\$1,300	

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Heating

Energy Source								
Fuel Oil No 2	100%			2036	**	5	\$4,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 275 Gallon Tanks For Both A And B Side</i>								

Conversion Equipment								
Steam Boiler	100%			2039	**	1	\$13,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : A And B Sides Have Separate Boilers</i>								

Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$1,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : A And B Sides Have Independent Systems</i>								

Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$4,400	

## Air Conditioning

Energy Source								
Electricity	100%			2034	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2021	\$29,800	1		

## Plumbing

H/C Water Piping								
Brass/Copper	100%			2046	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : A And B Sides Have Separate Systems Including Service</i>								

HW Heat Exchanger								
Steam Fired	100%			2052	**	4	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Domestic Coil In Steam Boiler / A Has 40 Gallon Storage Tank</i>								

Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG.# 409 A AND B EMS ADMIN, RESEARCH AND DEVELOP.**  
**Asset # : 13774**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2031	**	1	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
<hr/>								
	Fixtures							
	Generic	100%						
<hr/>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 05-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Interior Architecture	\$87,100	
<b>Total</b>	<b>\$87,100</b>	
Importance Code B	\$48,000	
Importance Code C	\$39,100	
<b>Total</b>	<b>\$87,100</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$5,000		\$3,800	\$4,000
Interior Architecture	\$13,700			\$100
Electrical	\$10,200	\$1,100	\$1,100	\$1,000
Mechanical	\$2,800	\$3,900	\$1,800	\$1,800
<b>Total</b>	<b>\$31,700</b>	<b>\$5,000</b>	<b>\$6,700</b>	<b>\$6,900</b>
Importance Code A	\$6,300	\$1,500	\$5,100	\$5,400
Importance Code B	\$24,900	\$3,500	\$1,600	\$1,500
Importance Code C	\$600			
<b>Total</b>	<b>\$31,700</b>	<b>\$5,000</b>	<b>\$6,700</b>	<b>\$6,900</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.# 411 A AND B TERRORISM CENTER**  
**Asset # : 13775**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	90%			LIFE	**	5	\$24,300	
Masonry: Granite	10%			LIFE	**	5	\$2,000	
<b>Windows</b>								
Aluminum	100%			2048	**	5	\$8,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Roof</b>								
Roll Roofing	5%			2022	\$3,200	5	\$1,200	
Slate	95%	Now	\$5,000	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	7%			LIFE	**	5	\$3,100	
Mosaic Tile	2%			2039	**	5	\$1,000	
Vinyl Tile	5%	4+	\$200	2031	**	3	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : 1st Floor Corridor</i>								
Wood	86%	2-4	\$13,000	2041	**	5	\$16,600	
<i>Dry Rot/Decay, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement Stair Has Termite Damage</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 3rd Floor</i>								
<b>Interior Walls</b>								
Ceramic Tile	2%	Now	\$600	2035	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Second Floor Bathroom</i>								
Masonry: Brick	2%			LIFE	**			
Plaster	96%	Now	\$39,100	LIFE	**	5	\$13,100	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : Basement Washroom, 3rd Floor Bathroom</i>								
<b>Ceilings</b>								
Embossed Metal	20%			LIFE	**	5	\$1,800	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Floor, Throughout</i>								
Plaster	80%	Now	\$48,000	LIFE	**	5	\$10,300	
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement And Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bathroom, 3rd Floor Office By Chimney Chase</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG.# 411 A AND B TERRORISM CENTER**  
**Asset # : 13775**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
	Fused Disc Sw	50%			2046	**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two (2) 100 Amperes Fused Disconnect Switches</i>								
	Molded Case Bkrs	50%			2046	**	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two (2) 225 Amperes Electrical Panels Serving Areas A And B</i>								
<b>Raceway</b>								
	Conduit	20%			2052	**	1	
	Conduit	80%			2036	**	1	
<b>Panelboards</b>								
	Molded Case Bkrs	100%			2042	**	5	\$400
<b>Wiring</b>								
	Thermoplastic	20%			2052	**	1	
	Thermoplastic	80%			2036	**	1	
<b>Ground</b>								
<b>Grounding Devices</b>								
	Generic	100%			LIFE	**	5	\$200
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
	Automatic	100%			2039	**	1	\$4,200
<b>Generators</b>								
	Diesel	100%			2035	**	1	\$5,300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 125 Kw Generator Serves Buildings #409 And #411</i>								
<b>Batteries</b>								
	Lead/Acid	100%			2020	\$1,700	5	\$500
<b>Fuel Storage</b>								
	Main Tank	100%			2054	**	5	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 250 Gallon Belly Tank</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
	Fluorescent	85%			2026	\$28,400	10	\$10,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T8 Lamps</i>								
	Incandescent	15%			2026	\$12,000	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**  
**FORT TOTTEN - BLDG.# 411 A AND B TERRORISM CENTER**  
**Asset # : 13775**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Lighting

## Exterior Lighting

HID	10%			2031	**	10		
Incandescent	75%	0-2	\$7,300	2031	**	2		

*Obsolete Fixtures, Extent : Light, Area Affected : 100%*

*Location : Exterior Porch Areas*

No Component	15%							
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<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Heating

## Energy Source

Fuel Oil No 2	100%			2026	\$27,900	5	\$4,300	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Basement*

*Explanation : 2 - 275 Gallon Tanks For Both Sides A And B*

## Conversion Equipment

Steam Boiler	100%			2039	**	1	\$13,600	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Basement*

*Explanation : A And B Sides Have Separate Boilers*

## Distribution

Central Plant Steam Piping/Pmp	100%			2036	**	4	\$1,000	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Throughout*

*Explanation : A And B Sides Have Independent Systems*

## Terminal Devices

Convactor/Radiator	100%			2031	**	1	\$4,400	
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## Air Conditioning

## Energy Source

Electricity	100%			2034	**	1		
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## Conversion Equipment

Window/Wall Unit	100%			2024	\$29,800	1		
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## Plumbing

## H/C Water Piping

Brass/Copper	100%			2046	**	1		
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Throughout*

*Explanation : A And B Sides Have Separate Systems Including Service*

## HW Heat Exchanger

Steam Fired	100%			2052	**	4	\$2,000	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Basement*

*Explanation : Domestic Coil In Steam Boiler / No Storage / Both A And B Sides*

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 09-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 5917 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$292,800	\$36,000
Electrical	\$47,900	
<b>Total</b>	<b>\$340,600</b>	<b>\$36,000</b>
Importance Code A	\$292,800	\$36,000
Importance Code B	\$47,900	
<b>Total</b>	<b>\$340,600</b>	<b>\$36,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$31,700		\$4,000	
Interior Architecture	\$61,700			\$100
Electrical	\$11,300	\$100	\$200	
Mechanical	\$2,100	\$33,800	\$2,500	\$1,800
<b>Total</b>	<b>\$106,800</b>	<b>\$33,800</b>	<b>\$6,700</b>	<b>\$1,900</b>
Importance Code A	\$33,100	\$1,400	\$5,400	\$1,400
Importance Code B	\$42,400	\$32,400	\$1,300	\$600
Importance Code C	\$31,300			
<b>Total</b>	<b>\$106,800</b>	<b>\$33,800</b>	<b>\$6,700</b>	<b>\$1,900</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.# 413 A AND B COUNSELING UNIT**  
**Asset # : 13776**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$31,700	LIFE	**	5	\$18,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Chimneys Are Missing Bricks</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Chimneys</i>								
Masonry: Granite	20%			LIFE	**	5	\$4,000	
Wood	10%	Now	\$63,000	2039	**	5	\$6,700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Soffits, Trim, Gutters, Fascias</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 65%</i>								
<i>Location : Porch Floors, Rails Columns</i>								
Windows								
Wood	90%	Now	\$112,400	2042	**	5	\$36,000	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	10%			2042	**	5	\$8,000	
Roof								
Modified Bitumen	30%	2-4	\$62,600	2036	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Porch Roofs, Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Porch Roofs, Throughout</i>								
Slate	70%	Now	\$54,700	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Main Roof, Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Flashing At Chimneys</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Attic Spaces Below Roof</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG.# 413 A AND B COUNSELING UNIT**  
**Asset # : 13776**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	10%	Now	\$500	LIFE	**	5	\$4,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	2%	Now	\$1,800	2035	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bathrooms</i>								
Vinyl Tile	3%	Now	\$1,200	2031	**	3	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Kitchen Area</i>								
Wood	85%			2054	**	5	\$32,700	
<b>Interior Walls</b>								
Ceramic Tile	2%	2-4	\$2,800	2035	**	5	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bathrooms</i>								
<i>Explanation : Tile Will Need To Be Replaced From Lifting.</i>								
Masonry: Brick	5%			LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Basement</i>								
Granite Panels	21%			LIFE	**			
Plaster	70%	Now	\$28,500	LIFE	**	5	\$9,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
Wood	2%			LIFE	**	5	\$3,600	
<b>Ceilings</b>								
Embossed Metal	10%			LIFE	**	5	\$900	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
Plaster	90%	Now	\$27,000	LIFE	**	5	\$11,500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement, Bathrooms</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

Under 600 Volts

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG.# 413 A AND B COUNSELING UNIT**  
**Asset # : 13776**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 100 Ampere Service Switches.</i>								
Raceway								
Conduit	100%			2036	**	1		
Panelboards								
Molded Case Bkrs	100%			2042	**	5	\$400	
Wiring								
Braided Cloth	70%	0-2	\$6,400	2051	**	1		
<i>Insulation Aged, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	30%			2036	**	1		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	30%			2026	\$10,000	10	\$3,800	
Incandescent	60%			2021	\$47,900	2	\$200	
LED	10%			2034	**			
Exterior Lighting								
HID	50%			2026	\$28,900	10		
Incandescent	50%	0-2	\$4,900	2031	**	2		
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Porch Areas</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Fuel Oil No 2	100%			2036	**	5	\$4,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 275 Gallon Tanks Each Side</i>								
Conversion Equipment								
Steam Boiler	100%			2039	**	1	\$13,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical</i>								
<i>Explanation : 2 Oil Fired Steam Boiler.</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$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**  
**FORT TOTTEN - BLDG.# 413 A AND B COUNSELING UNIT**  
**Asset # : 13776**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
	Terminal Devices							
	Convactor/Radiator	100%			2031	**	1	\$4,400
<b>Air Conditioning</b>								
	Energy Source							
	Electricity	100%			2042	**	1	
	Conversion Equipment							
	Window/Wall Unit	100%			2021	\$29,800	1	
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2046	**	1	
	HW Heat Exchanger							
	Steam Fired	100%			2046	**	4	\$1,400
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Domestic Coils In Boilers, No Storage On B Side, 40 Gallon Storage Tank On A Side.</i>							
<b>Sanitary Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Fixtures</b>								
	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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 09-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$176,500	
<b>Total</b>	<b>\$176,500</b>	
Importance Code A	\$176,500	
<b>Total</b>	<b>\$176,500</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$3,200		\$100	
Interior Architecture	\$49,900			\$200
Electrical	\$8,800	\$27,400	\$100	
Mechanical	\$1,300	\$26,600	\$1,800	\$1,200
<b>Total</b>	<b>\$63,200</b>	<b>\$54,000</b>	<b>\$2,100</b>	<b>\$1,400</b>
Importance Code A	\$4,000	\$800	\$900	\$800
Importance Code B	\$56,400	\$53,200	\$1,200	\$600
Importance Code C	\$2,700			
<b>Total</b>	<b>\$63,200</b>	<b>\$54,000</b>	<b>\$2,100</b>	<b>\$1,400</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.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.**  
**Asset # : 13778**

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	75%			LIFE	**	5	\$14,200	
Granite Panels	15%			LIFE	**	5	\$2,100	
Wood	10%	Now	\$44,100	2031	**	5	\$4,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Porch Soffit On B Side</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Porch Floors, Throughout</i>								
<hr/>								
<b>Windows</b>								
Aluminum	10%			2042	**	5	\$200	
Wood	90%	Now	\$63,100	2051	**	5	\$10,100	
<i>Air Infiltration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout.</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<hr/>								
<b>Roof</b>								
Modified Bitumen	35%	Now	\$69,200	2036	**			
<i>Alligating, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Porch Roofs, Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Porch Roofs, Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Porch Roofs, Throughout</i>								
Slate	65%	Now	\$3,200	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<hr/>								
<b>Interior</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.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.**  
**Asset # : 13778**

<b>Architecture</b>		<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>		
<b>Interior</b>									
<b>Floors</b>									
Cast in Place Concrete	10%	Now	\$900	LIFE	**	5	\$3,400		
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Basement</i>									
Ceramic Tile	5%	Now	\$1,700	2035	**	5	\$400		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Bathrooms.</i>									
Vinyl Tile	10%	4+	\$700	2026	\$14,700	3	\$600		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>									
<i>Location : 1st Floor Kitchen On B Side</i>									
Wood	45%	Now	\$25,700	2054	**	5	\$6,600		
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : 1st Floor, B Side, Throughout.</i>									
Wood	30%			2054	**	5	\$8,700		
<b>Interior Walls</b>									
Ceramic Tile	5%	Now	\$500	2035	**	5	\$200		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Bathrooms.</i>									
Masonry: Brick	10%			LIFE	**				
Granite Panels	5%			LIFE	**				
Plaster	75%	Now	\$2,200	LIFE	**	5	\$1,500		
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout.</i>									
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout.</i>									
Wood	5%			LIFE	**	5	\$1,300		
<b>Ceilings</b>									
Embossed Metal	20%			LIFE	**	5	\$1,400		
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>									
<i>Location : 1st Floor, Throughout</i>									
Plaster	80%	Now	\$18,200	LIFE	**	5	\$7,800		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Basement</i>									
<i>Water Penetration, Extent : Light, Area Affected : 3%</i>									
<i>Location : 1st Floor Bathroom</i>									

<b>Electrical</b>		<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>		
<b>Under 600 Volts</b>									
<b>Service Equipment</b>									
Fused Disc Sw	100%			2046	**	5			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement Hallway.</i>									
<i>Explanation : Two (2) 100 Amperes Service Switches</i>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**FORT TOTTEN - BLDG.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.**  
**Asset # : 13778**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
Raceway								
Conduit	70%			2026	\$2,900	1		
Conduit	30%			2046	**	1		
Panelboards								
Fused Disc Sw	50%			2042	**	5	\$100	
Molded Case Bkrs	50%			2042	**	5	\$100	
Wiring								
Thermoplastic	70%			2026	\$6,400	1		
Thermoplastic	30%			2036	**	1		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	75%			2026	\$20,000	10	\$7,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Fixtures In Use.</i>								
Incandescent	25%			2021	\$15,900	2	\$100	
Exterior Lighting								
HID	25%			2021	\$11,500	10		
Incandescent	75%	0-2	\$8,800	2031	**	2		
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Porches Areas</i>								
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source								
Fuel Oil No 2	100%			2036	**	5	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 275 Gallon Tanks Each Side</i>								
Conversion Equipment								
Hot Water Boiler	50%			2039	**	1	\$2,700	
Steam Boiler	50%			2039	**	1	\$5,400	
Distribution								
Hot Wtr Piping/Pump	50%			2034	**	4	\$300	
Central Plant Steam Piping/Pmp	50%			2036	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$3,500	
<b>Air Conditioning</b>								
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.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.**  
**Asset # : 13778**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
	Conversion Equipment							
	Window/Wall Unit	100%			2021	\$23,800	1	
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2046	**	1	
	HW Heat Exchanger							
	Steam Fired	100%			2046	**	4	\$1,100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Domestic Coil In Boiler / No Storage</i>					
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2031	**	1	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					
	Fixtures							
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 09-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Electrical		\$46,000
<b>Total</b>		<b>\$46,000</b>
Importance Code B		\$46,000
<b>Total</b>		<b>\$46,000</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$50,100		\$21,300	
Interior Architecture	\$14,800	\$400	\$200	
Electrical			\$100	
Mechanical	\$1,700	\$26,900	\$2,000	\$1,400
<b>Total</b>	<b>\$66,600</b>	<b>\$27,300</b>	<b>\$23,600</b>	<b>\$1,400</b>
Importance Code A	\$51,200	\$1,100	\$22,400	\$1,100
Importance Code B	\$14,900	\$26,200	\$1,200	\$400
Importance Code C	\$500			
<b>Total</b>	<b>\$66,600</b>	<b>\$27,300</b>	<b>\$23,600</b>	<b>\$1,400</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.# 420 A AND B FIRE BOROUGH CMD/EMS BOROUGH CMD**  
**Asset # : 13779**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$14,200	
Granite Panels	5%			LIFE	**	5	\$700	
Wood	20%	Now	\$22,000	2039	**	5	\$9,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Siding, Porches And Soffits</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Porch Floors</i>								
Windows								
Wood	100%	Now	\$28,100	2051	**	5	\$11,200	
<i>Air Infiltration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout.</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	70%			2035	**	10	\$1,500	
Roll Roofing	30%			2022	\$18,100	5	\$6,500	
Interior								
Floors								
Cast in Place Concrete	10%			LIFE	**	5	\$3,400	
Ceramic Tile	5%			2041	**	5	\$800	
Vinyl Tile	10%			2031	**	3	\$600	
Wood	50%	Now	\$14,300	2054	**	5	\$7,300	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : B Side, Throughout.</i>								
Wood	25%			2054	**	5	\$7,300	
Interior Walls								
Ceramic Tile	5%			2035	**	5	\$300	
Masonry: Brick	25%			LIFE	**			
Granite Panels	5%			LIFE	**			
Plaster	55%			LIFE	**	5	\$1,100	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Stairwell</i>								
Wood	10%	Now	\$300	LIFE	**	5	\$2,700	
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Attic Bedroom</i>								
Ceilings								
Embossed Metal	10%			LIFE	**	5	\$700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Embossed Ceiling.</i>								
Plaster	80%			LIFE	**	5	\$7,800	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
Wood	10%			LIFE	**	5	\$13,600	

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.# 420 A AND B FIRE BOROUGH CMD/EMS BOROUGH CMD**  
**Asset # : 13779**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2036	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Front Room.</i>								
<i>Explanation : 1-200 Amperes Service Switch Serving Both Buildings.</i>								
<b>Raceway</b>								
Conduit	60%			2026	\$2,500	1		
Conduit	40%			2046	**	1		
<b>Panelboards</b>								
Fused Disc Sw	50%			2042	**	5	\$100	
Molded Case Bkrs	50%			2042	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Branch Circuit Panel.</i>								
<b>Wiring</b>								
Thermoplastic	60%			2026	\$5,500	1		
Thermoplastic	40%			2046	**	1		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<b>Stand-by Power</b>								
Batteries								
Not Accessible	100%							
<b>Lighting</b>								
Interior Lighting								
Fluorescent	100%			2026	\$26,700	10	\$10,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Fixtures.</i>								
Exterior Lighting								
HID	100%			2026	\$46,000	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Fuel Oil No 2	100%			2036	**	5	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : A And B Sides -2- 275 Gallon Tanks</i>								
Conversion Equipment								
Steam Boiler	100%			2039	**	1	\$10,800	
Distribution								
Central Plant Steam	100%			2036	**	4	\$800	
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**  
**FORT TOTTEN - BLDG.# 420 A AND B FIRE BOROUGH CMD/EMS BOROUGH CMD**  
**Asset # : 13779**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$3,500	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2021	\$23,800	1		
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
HW Heat Exchanger								
Steam Fired	100%			2046	**	4	\$1,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Domestic Coil In Boilers With 40 Gallon Storage Tanks</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
No Component	95%							
Generic	5%			2031	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
<b>Fixtures</b>								
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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

Asset Name : LADDER CO. 114  
 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 : 06-Jun-2018 Landmark Status : NONE  
 Areas Surveyed : Basement, Roof, Floors 1,2  
 Block : 808 Lot : 6 BIN : 3013940

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Interior Architecture	\$67,700	
Electrical		\$85,300
<b>Total</b>	<b>\$67,700</b>	<b>\$85,300</b>
Importance Code B	\$67,700	\$85,300
<b>Total</b>	<b>\$67,700</b>	<b>\$85,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$37,800		\$2,600	
Interior Architecture	\$58,200			\$400
Electrical	\$9,800			\$100
Mechanical	\$1,100	\$400	\$400	\$400
<b>Total</b>	<b>\$106,900</b>	<b>\$500</b>	<b>\$3,000</b>	<b>\$900</b>
Importance Code A	\$38,100	\$300	\$2,900	\$300
Importance Code B	\$52,000	\$100	\$200	\$400
Importance Code C	\$16,800			\$200
<b>Total</b>	<b>\$106,900</b>	<b>\$500</b>	<b>\$3,000</b>	<b>\$900</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**  
**LADDER CO. 114**  
**Asset # : 13223**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$20,200	LIFE	**	5	\$13,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : East Facade</i>								
Masonry: Limestone	10%			LIFE	**	5	\$2,500	
Metal Sect. OHD	10%			2042	**	5	\$5,100	
Windows								
Aluminum	100%	Now	\$3,300	2045	**	5	\$400	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Bath And 2nd Floor East, Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$5,100	
Masonry: Brick	90%			LIFE	**	5-10	\$11,000	
Roof								
Modified Bitumen	100%			2034	**	10	\$6,600	
Interior								
Floors								
Cast in Place Concrete	65%	Now	\$25,000	LIFE	**	5	\$8,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	5%	0-2	\$100	2038	**	5	\$200	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Vinyl Tile	30%	0-2	\$3,100	2034	**	3	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2038	**	5	\$400	
Gypsum Board	10%			LIFE	**	5-10	\$1,400	
Masonry: Brick	30%	Now	\$9,900	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	30%			LIFE	**	10	\$1,200	
Wood	25%	Now	\$4,700	LIFE	**	5	\$8,300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**LADDER CO. 114**  
**Asset # : 13223**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Interior

## Ceilings

AcousTileSusp.Lay-In	40%	Now	\$10,000	2042	**	5	\$1,200	
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*Broken/Missing Elements, Extent : Moderate, Area Affected : 5%*

*Location : Kitchen And 2nd Floor*

*Staining/Discoloring, Extent : Moderate, Area Affected : 10%*

*Location : 2nd Floor Throughout*

*Worn/Eroded, Extent : Moderate, Area Affected : 50%*

*Location : Throughout*

Embossed Metal	30%	4+	\$3,200	LIFE	**	5	\$800	
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*Deformed/Dented, Extent : Light, Area Affected : 10%*

*Location : Throughout*

Masonry:Vault Struct	30%	Now	\$67,700	LIFE	**			
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*Broken/Missing Elements, Extent : Moderate, Area Affected : 5%*

*Location : Cellar*

*Other Observation, Extent : Severe, Area Affected : 100%*

*Location : Cellar*

*Explanation : Structurally Insufficient And Beams Corroded*

## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%			2034	**			
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## On-Site Walkways

Cast in Place Concrete	100%			2034	**			
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<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2029	\$4,900	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%			2029	\$49,900	5	\$100	
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## Raceway

Conduit	100%			2029	\$32,000	1		
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## Panelboards

Fused Disc Sw	10%			2028	\$3,900	5		
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Molded Case Bkrs	90%			2028	\$35,400	5	\$100	
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## Wiring

Thermoplastic	100%			2029	\$28,300	1		
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## Motor Controllers

Locally Mounted	100%			2027	\$14,700	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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**FIRE DEPARTMENT - 057**  
**LADDER CO. 114**  
**Asset # : 13223**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Ground**

Grounding Devices  
Generic

100% 2-4 \$9,700 LIFE \* \* 5  
*Other Observation, Extent : Moderate, Area Affected : 100%*  
*Location : Water Main*  
*Explanation : Corroded*

**Lighting**

Interior Lighting  
Fluorescent

100% 2034 \* \* 10 \$2,900  
*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%*  
*Location : Throughout The Building*

Exterior Lighting

HID  
No Component

25% 75% 2024 \$3,100 10

**Alarm**

Security System

No Component  
Generic

70% 30% 2037 \* \* 1 \$400  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Front And Rear Of The Building*  
*Explanation : CCTV Surveillance Cameras*

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

Energy Source  
Natural Gas

100% 0-2 2029 \$400 1  
*Corroded, Extent : Severe, Area Affected : 100%*  
*Location : Cellar*

Conversion Equipment

Steam Boiler

100% 2049 \* \* 1 \$3,200  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Basement*  
*Explanation : 1 Brand New Unit*

Distribution

Steam Piping/Pump

100% 2029 \$13,500

Terminal Devices

Convactor/Radiator

100% 2027 \$16,400 1 \$1,000

**Air Conditioning**

Energy Source

Electricity

100% 2037 \* \* 1

Conversion Equipment

Window/Wall Unit  
No Component

50% 50% 2027 \$3,200 1

**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**  
**LADDER CO. 114**  
**Asset # : 13223**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing								
	H/C Water Piping							
	Brass/Copper	50%			2039	**	1	
	Galvanized Steel	50%	0-2	\$700	2027	\$6,700	1	
	<i>Corroded, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Water Main Valve, Basement</i>							
	Water Heater							
	Gas Fired	100%			2027	\$1,900	2	
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 06-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3,4  
**Block** : 495 **Lot** : 7 **BIN** : 1007523

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$355,300	
Interior Architecture	\$37,500	
Electrical	\$75,200	\$109,400
Mechanical	\$70,300	\$199,400
<b>Total</b>	<b>\$538,200</b>	<b>\$308,800</b>
Importance Code A	\$355,300	
Importance Code B	\$182,900	\$308,800
<b>Total</b>	<b>\$538,200</b>	<b>\$308,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$66,800			
Interior Architecture	\$54,600	\$1,100	\$9,500	\$5,100
Electrical	\$14,200	\$3,600	\$5,400	\$2,000
Mechanical	\$7,200	\$4,400	\$34,600	\$4,600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$146,700</b>	<b>\$13,000</b>	<b>\$53,400</b>	<b>\$15,600</b>
Importance Code A	\$68,200	\$1,400	\$1,800	\$1,400
Importance Code B	\$71,200	\$11,600	\$51,600	\$14,200
Importance Code C	\$7,300			
<b>Total</b>	<b>\$146,700</b>	<b>\$13,000</b>	<b>\$53,400</b>	<b>\$15,600</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**  
**LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT**  
**Asset # : 13218**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	3%	Now	\$3,400	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Above Overhead Doors</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Street Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Above Overhead Doors</i>								
Masonry: Brick	87%	Now	\$26,000	LIFE	**	5	\$8,400	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : South West Corner, 3rd Story Street Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bulkheads</i>								
Metal Sect. OHD	10%			2040	**	5	\$3,000	
Windows								
Aluminum	95%	Now	\$25,900	2052	**	5	\$300	
<i>Air Infiltration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Windows Throughout</i>								
Steel	5%	Now	\$1,700	2052	**	5	\$200	1
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Stairs</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stairwells</i>								
Parapets								
Masonry: Brick	95%	Now	\$8,200	LIFE	**	5	\$1,400	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 30%</i>								
<i>Location : Interior Parapet Face</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 20%</i>								
<i>Location : First And Fourth Stories - East Facade</i>								
Pre-Cast Concrete	5%	Now	\$100	LIFE	**	5	\$500	
<i>Caulking Deteriorated, Extent : Light, Area Affected : 20%</i>								
<i>Location : Coping Joints</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. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT**  
**Asset # : 13218**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Roof								
Asphalt Shingle	2%			2030	**	10	\$100	
Modified Bitumen	98%	Now	\$355,300	2037	**			
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over First, Second And Fourth Floors</i>								
<i>Debris Present, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : All Roofs</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Lower Roof, North Side</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Roof Hatch, South Stair</i>								
Interior								
Floors								
Carpet	10%			2026	\$56,300	3	\$8,600	
Cast in Place Concrete	25%	Now	\$22,900	LIFE	**	5	\$23,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Ladder Apparatus Floor</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2036	**	5	\$2,200	
Terrazzo	2%			LIFE	**	5	\$700	
Vinyl Tile	10%	Now	\$37,500	2037	**	3	\$1,600	
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Third And Fourth Floor Counselors Offices</i>								
Vinyl Tile	45%			2032	**	3	\$9,700	
Wood	3%			2055	**	5	\$2,400	
Interior Walls								
Ceramic Tile	2%			2040	**	5	\$1,200	
Concrete Masonry Unit	10%	Now	\$6,700	LIFE	**	5	\$2,400	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parking Garage</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Cellar, Stairwells</i>								
Gypsum Board	20%			LIFE	**	5	\$7,100	
Plaster	48%			LIFE	**	5	\$8,600	
SGFT/Glazed Masonry	20%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

## FIRE DEPARTMENT - 057

## LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT

Asset # : 13218

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Interior

## Ceilings

AcousTileConcealSpLn	35%			2032	**	5	\$18,900	
AcousTileSusp.Lay-In	20%			2040	**	5	\$8,600	
Exposed Concrete	20%	Now	\$14,200	LIFE	**	5	\$1,400	

*Cracking/Crumbling, Extent : Light, Area Affected : 5%**Location : Stair 3 At Cellar*

Gypsum Board	25%			LIFE	**	5	\$13,500	
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Molded Case Bkrs	100%			2027	\$4,900	5	\$800	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Electrical Room**Explanation : No Available Nameplate Rating*

## Switchgear / Switchboard

Molded Case Bkrs	100%			2027	\$49,900	5	\$800	
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## Raceway

Conduit	20%			2037	**	1		
Conduit	70%			2027	\$22,400	1		
Conduit	10%			2053	**	1		

## Panelboards

Molded Case Bkrs	70%			2026	\$27,500	5	\$500	
Molded Case Bkrs	20%			2035	**	5	\$200	
Molded Case Bkrs	10%			2049	**	5	\$100	

## Wiring

Thermoplastic	20%			2037	**	1		
Thermoplastic	70%			2027	\$19,800	1		
Thermoplastic	10%			2053	**	1		

## Motor Controllers

Locally Mounted	100%			2025	\$14,700	5	\$200	
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## Ground

## Grounding Devices

Generic	100%	0-2	\$9,700	LIFE	**	5	\$400	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : Corroded And Connected To Main Water Pipe.*

## Stand-by Power

## Transfer Switches

Automatic	100%			2025	\$4,900	1	\$8,900	
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**FIRE DEPARTMENT - 057**  
**LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT**  
**Asset # : 13218**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
<b>Generators</b>								
Diesel	100%			2023	\$67,200	1	\$11,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : Emergency Generator Rated At 30 Kilowatts</i>								
<b>Batteries</b>								
Lead/Acid	100%			2020	\$1,500	5	\$1,100	
<b>Fuel Storage</b>								
<b>Day Tank</b>								
	50%			2026	\$1,100	5	\$2,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 10 Gallons Rated Capacity</i>								
<b>Main Tank</b>								
	50%			2030	**	5	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 275 Gallons Rated Capacity</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
<b>Fluorescent</b>								
	2%			2027	\$1,600	10	\$500	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<b>Fluorescent</b>								
	10%			2022	\$8,000	10	\$2,600	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<b>Fluorescent</b>								
	10%			2035	**	10	\$2,600	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<b>Fluorescent</b>								
	38%			2027	\$30,400	10	\$10,100	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<b>LED</b>								
	40%			2035	**			
<b>Egress Lighting</b>								
<b>Emergency, Service</b>								
	50%			2032	**	1		
<b>Exit, Service</b>								
	50%			2032	**	1		
<b>Exterior Lighting</b>								
<b>Fluorescent</b>								
	20%			2027	\$18,900	10	\$500	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<b>No Component</b>								
	80%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

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**  
**LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT**  
**Asset # : 13218**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
Conversion Equipment								
Hot Water Boiler	85%			2032	**	1	\$12,100	
<i>Other Observation, Extent : Light, Area Affected : 85%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Hot Water Boiler	15%			2044	**	1	\$2,100	
<i>Recent Installation, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Mechanical Room For Division 1</i>								
Distribution								
Hot Wtr Piping/Pump	85%	0-2	\$1,800	2035	**	4	\$1,200	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Hot Wtr Piping/Pump	15%			2049	**	4	\$300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Division 1</i>								
Terminal Devices								
Convactor/Radiator	45%			2032	**	1	\$4,200	
Convactor/Radiator	15%			2044	**	1	\$1,400	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Division 1</i>								
Fan Coil Unit/Heat	20%			2027	\$82,600	1	\$1,900	
Unit Heater - Steam	20%			2032	**	4	\$800	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Reciprocating Compr/Chiller	30%	Now	\$70,300	2037	**	1	\$3,600	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 30%</i>								
<i>Location : Penthouse</i>								
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Penthouse</i>								
<i>Explanation : Aged Equipment / Chiller Jackets Off And Missing</i>								
Window/Wall Unit	50%			2025	\$28,700	1		
No Component	20%							
Distribution								
CW & CHW Wtr Pipe/Pump	30%	Now	\$400	2037	**	4	\$400	
<i>Insul. Deteriorating, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Mechanical Room On Roof</i>								
No Component	70%							

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**FIRE DEPARTMENT - 057**  
**LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT**  
**Asset # : 13218**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Air Conditioning</b>								
<b>Terminal Devices</b>								
Fan Coil - 2 Pipe	15%			2035	**	1	\$1,400	
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Division 1</i>								
<i>Explanation : New Installation</i>								
Fan Coil - 4 Pipe	15%			2027	\$77,500	1	\$1,400	
No Component	70%							
<b>Heat Rejection</b>								
Air Cooled Condenser Unit	30%			2022	\$13,400	2	\$6,000	
Evaporative Condenser	15%			2035	**	2	\$3,000	
<i>Recent Installation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Lower Roof</i>								
No Component	55%							
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$16,100	
<b>Exhaust Fans</b>								
Interior	40%			2027	\$39,300	2	\$400	
Roof	60%	Now	\$600	2027	\$27,500	2	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : Lower Roof</i>								
<i>Explanation : 1 Cover Is Missing</i>								
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
Brass/Copper	100%			2037	**	1		
<b>Water Heater</b>								
Electric	15%			2026	\$3,600	4		
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Division 1</i>								
<i>Explanation : 1 Unit</i>								
Gas Fired	85%			2022	\$14,300	2	\$400	
<i>Other Observation, Extent : Light, Area Affected : 85%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 80 Gallon Units</i>								
<b>Sanitary Piping</b>								
Cast Iron	100%			LIFE	**	1		
<b>Storm Drain Piping</b>								
Cast Iron	100%			LIFE	**	1		
<b>Sump Pump(s)</b>								
Non-Submersible	100%			2027	\$4,200	4	\$600	
<b>Backflow Preventer</b>								
Generic	100%			2035	**	1	\$1,800	
<b>Fixtures</b>								
Generic	100%							
<b>Vertical Transport</b>								

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**FIRE DEPARTMENT - 057**  
**LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT**  
**Asset # : 13218**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component</b>	<b>% of</b>	<b>Fail Date</b>	<b>Estimated Cost</b>	<b>Year</b>	<b>Estimated Cost</b>	<b>Cycle</b>	<b>Estimated Cost</b>
<b>Type</b>		<b>Total</b>	<b>(Years)</b>		<b>FY</b>		<b>(Yrs)</b>	
Vertical Transport								
Elevators								
	Geared Traction	100%			LIFE		**	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement To 4th Floor</i>								
<i>Explanation : 1 - Unit</i>								
Fire Suppression								
Sprinkler								
	No Component	50%						
	Generic	50%			2037	**	1-2	\$4,100

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 11-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 1169 **Lot** : 26 **BIN** : 1030885

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$103,000
Interior Architecture	\$67,000	
<b>Total</b>	<b>\$67,000</b>	<b>\$103,000</b>
Importance Code A		\$103,000
Importance Code B	\$67,000	
<b>Total</b>	<b>\$67,000</b>	<b>\$103,000</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$37,200		\$5,700	\$1,100
Interior Architecture	\$36,000	\$3,900		
Electrical	\$1,300	\$2,900	\$13,000	\$1,900
Mechanical	\$28,700	\$1,600	\$2,300	\$2,300
<b>Total</b>	<b>\$103,200</b>	<b>\$8,400</b>	<b>\$20,900</b>	<b>\$5,200</b>
Importance Code A	\$37,900	\$700	\$6,300	\$1,700
Importance Code B	\$29,300	\$4,800	\$14,500	\$3,500
Importance Code C	\$36,000	\$2,900		
<b>Total</b>	<b>\$103,200</b>	<b>\$8,400</b>	<b>\$20,900</b>	<b>\$5,200</b>



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**FIRE DEPARTMENT - 057**  
**LADDER CO. 25/ENGINE CO. 74/ HOOK 25**  
**Asset # : 13219**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$15,700		
Masonry: Brick	66%			LIFE	**	5	\$26,500		
Masonry: Limestone	20%			LIFE	**	5	\$6,000		
Metal Panel	2%			2047	**	5-10	\$5,500		
Metal Sect. OHD	5%			2044	**	5	\$6,300		
Window Wall	2%			2047	**	5	\$3,000		
Windows									
Aluminum	100%			2043	**	5	\$2,100		
Parapets									
Cast Stone/Terra Cotta	20%	Now	\$2,000	LIFE	**	5	\$6,100		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>									
<i>Location : North West Corner Of Parapet Wall</i>									
Masonry: Brick	45%	Now	\$10,400	LIFE	**	5	\$1,800		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>									
<i>Location : North West Corner Of Parapet Wall</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Rear Wall - Stepped Down Roof Above Kitchen</i>									
Metal Panel	35%			2047	**	5	\$5,300		
Roof									
Modified Bitumen	53%	0-2	\$20,600	2027			\$103,000		
<i>Blisters, Extent : Moderate, Area Affected : 70%</i>									
<i>Location : Various Locations Throughout</i>									
<i>Debris Present, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
<i>Patching Evident, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Several Locations Along Lap Joints</i>									
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Middle Of Roof</i>									
Skylight, Plastic Sloped Glazing	2%			2044	**	1			
	5%	Now	\$4,200	LIFE	**	5	\$9,400		
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : At Kitchen</i>									
Not Accessible	40%								
<i>Other Observation, Extent : Light, Area Affected : 0%</i>									
<i>Location :</i>									
<i>Explanation : Scaffolding And Netting Set Up - Neighboring Construction</i>									
Interior									
Floors									
Cast in Place Concrete	40%			LIFE	**	5	\$17,400		
Ceramic Tile	10%			2036	**	5	\$2,000		
Wood	50%	2-4	\$67,000	2055	**	5	\$9,300		
<i>Deteriorated Finish, Extent : Severe, Area Affected : 75%</i>									
<i>Location : All Wood Flooring</i>									

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**FIRE DEPARTMENT - 057**  
**LADDER CO. 25/ENGINE CO. 74/ HOOK 25**  
**Asset # : 13219**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$200	
<b>Stand-by Power</b>								
Transfer Switches Automatic	100%			2040	**	1	\$4,100	
Generators Diesel	100%			2036	**	1	\$5,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Emergency Generator Rated At 80 Kilo-volt-ampere</i>								
Batteries Lead/Acid	100%			2021	\$1,500	5	\$500	
Fuel Storage Day Tank	50%			2043	**	5	\$1,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 25 Gallon Rated Capacity</i>								
Main Tank	50%			2055	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 550 Gallon Rated Capacity</i>								
<b>Lighting</b>								
Interior Lighting Fluorescent	70%			2032	**	10	\$8,500	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	25%			2032	**	10	\$3,100	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement And 1st Floor</i>								
Incandescent	5%			2032	**	2		
<b>Egress Lighting</b>								
Emergency, Service	50%			2032	**	1		
Exit, LED	50%			2055	**	1		
<b>Exterior Lighting</b>								
Fluorescent	20%			2032	**	10	\$200	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
No Component	80%							
<b>Alarm</b>								
Fire/Smoke Detection No Component	80%							
Generic, Digital	20%			2032	**	1-3	\$1,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Hallways</i>								
<i>Explanation : Strobe Lights And Alarm Bells</i>								

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**FIRE DEPARTMENT - 057**  
**LADDER CO. 25/ENGINE CO. 74/ HOOK 25**  
**Asset # : 13219**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
Energy Source	Natural Gas	100%			2047	**	1	
Conversion Equipment	Furnace	40%			2032	**	1	\$2,600
			<i>Other Observation, Extent : Light, Area Affected : 40%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : 5 Rtu</i>					
	Hot Water Boiler	60%			2040	**	1	\$4,000
			<i>Other Observation, Extent : Light, Area Affected : 60%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Hydro- Therm Multi- Temp. 3 Boilers Packaged</i>					
Distribution	Hot Wtr Piping/Pump	60%			2043	**	4	\$400
	No Component	40%						
Terminal Devices	Convactor/Radiator	20%			2040	**	1	\$900
	Unit Heater - Steam	40%			2032	**	4	\$700
	No Component	40%						
<b>Air Conditioning</b>								
Energy Source	Electricity	100%			2043	**	1	
Conversion Equipment	Ext Pkg Unit - Heating/Cooling	100%			2032	**	2	\$800
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 5 Units. Roof</i>					
<b>Ventilation</b>								
Distribution	Ductwork/Diffusers	80%			LIFE	**	2-5	\$5,900
	No Component	20%						
Exhaust Fans	Roof	80%			2027	\$16,900	2	\$300
	Wall Unit	20%			2032	**	2	\$100
<b>Plumbing</b>								
H/C Water Piping	Brass/Copper	100%			2047	**	1	
Water Heater	Gas Fired	100%			2025	\$7,800	2	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 - Units 99 Gallons Each</i>					
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	

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**FIRE DEPARTMENT - 057**  
**LADDER CO. 25/ENGINE CO. 74/ HOOK 25**  
**Asset # : 13219**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Sump Pump(s) Non-Submersible	100%			2027	\$1,900	4	\$300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Pits With Pumps</i>					
Fixtures	Generic	100%						
Fire Suppression	Sprinkler							
	Generic	100%			2047	**	1-2	\$3,700
Chemical System	Generic	100%			2020	\$26,700	1-3	\$4,000
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : LADDER CO. 3  
**Address** : 108 EAST 13TH STREET  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSLAD.003 / 13215 **Yr Built/Renovated** : 1929 / 2002  
**Area Sq Ft** : 5,148 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 18-Jul-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1  
**Block** : 558 **Lot** : 11 **BIN** : 1009010

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$103,100
<b>Total</b>		<b>\$103,100</b>
Importance Code A		\$103,100
<b>Total</b>		<b>\$103,100</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$87,700			
Interior Architecture	\$41,700			\$1,000
Electrical	\$1,200	\$400	\$400	\$1,900
Mechanical	\$1,300	\$700	\$6,000	\$800
Site Pavements	\$200			
<b>Total</b>	<b>\$132,000</b>	<b>\$1,100</b>	<b>\$6,400</b>	<b>\$3,800</b>
Importance Code A	\$88,200	\$500	\$500	\$500
Importance Code B	\$33,900	\$600	\$5,900	\$3,000
Importance Code C	\$10,000			\$300
<b>Total</b>	<b>\$132,000</b>	<b>\$1,100</b>	<b>\$6,400</b>	<b>\$3,800</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**  
**LADDER CO. 3**  
**Asset # : 13215**

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Exterior Walls									
Masonry: Brick	77%			LIFE	**	5	\$29,900		
Masonry: Granite	2%			LIFE	**	5	\$600		
Masonry: Limestone	10%	Now	\$21,700	LIFE	**	5	\$1,500		
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>									
<i>Location : North Elevation</i>									
Metal Sect. OHD	10%	Now	\$6,200	2042	**	5	\$3,000		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Top Return Panel Is Missing At Front Of Building</i>									
Slate Panels	1%	Now	\$2,100	LIFE	**	5	\$100		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 100%</i>									
<i>Location : 1st Floor Window Sill In East Alleyway</i>									
Windows									
Aluminum	100%			2045	**	5	\$1,300		
Parapets									
Masonry: Brick	90%			LIFE	**	5-10	\$20,600		
Masonry: Sandstone	10%			LIFE	**	5-10	\$4,100		
Roof									
Modified Bitumen	100%	Now	\$20,600	2029	\$103,100				
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : East Side</i>									
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : East Side</i>									
<i>Seams Open/Split, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : East Side</i>									
Interior									
Floors									
Cast in Place Concrete	50%	Now	\$20,300	LIFE	**	5	\$8,400		
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>									
<i>Location : Front Of Apparatus Floor</i>									
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>									
<i>Location : Apparatus Floor</i>									
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>									
<i>Location : At Recent Patch Through The Apparatus Floor</i>									
Ceramic Tile	10%			2038	**	5	\$800		
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>									
<i>Location : 1st Floor Toilet</i>									
Vinyl Tile	40%			2029	\$26,600	3	\$1,500		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**LADDER CO. 3**  
**Asset # : 13215**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	5%			2038	**	5	\$500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : 1st Floor Toilet</i>								
Gypsum Board	5%			LIFE	**	5-10	\$900	
Masonry: Brick	20%			LIFE	**	10	\$600	
Plaster	35%	Now	\$3,000	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Adjacent To Roof Hatch And Truck Office</i>								
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Adjacent To Roof Hatch And Truck Office</i>								
SGFT/Glazed Masonry	25%			LIFE	**	10	\$1,300	
Wood	10%			LIFE	**	5	\$8,400	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%			2034	**	5	\$400	
Exposed Struc: Steel	40%			LIFE	**	10	\$6,100	
Gypsum Board	5%			LIFE	**	5-10	\$1,300	
Plaster	50%			LIFE	**	5-10	\$6,600	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Iron Picket	100%			2049	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%	Now	\$200	2034	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%			2042	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2049	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated At 200 Amperes</i>								
<b>Raceway</b>								
Conduit	100%			2029	\$32,000	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2045	**	5	\$100	
<b>Wiring</b>								
Thermoplastic	100%			2039	**	1		

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**FIRE DEPARTMENT - 057**  
**LADDER CO. 3**  
**Asset # : 13215**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2042	**	1	\$1,600	
Generators								
Diesel	100%			2038	**	1	\$2,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Generator Rated At 40 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2023	\$1,500	5	\$200	
Fuel Storage								
Day Tank	10%			2045	**	5	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement At Generator</i>						
		<i>Explanation : 50 Gallon Capacity</i>						
Day Tank	10%			2045	**	5	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement Adjacent To Generator</i>						
		<i>Explanation : 75 Gallon Capacity</i>						
Main Tank	80%			2057	**	5	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 550 Gallon Capacity</i>						
<b>Lighting</b>								
Interior Lighting								
Fluorescent	80%			2029	\$11,400	10	\$3,800	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	10%			2024	\$1,400	10	\$500	
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd Floor Offices</i>						
Incandescent	5%			2034	**	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Halogen Lamps</i>						
LED	5%			2034	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd Floor Locker Room</i>						
		<i>Explanation : LED Lighting</i>						
Egress Lighting								
Emergency, Battery	100%			2034	**	10	\$1,200	
Exterior Lighting								
HID	95%			2029	\$18,900	10		
Incandescent	5%			2034	**	2		

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**FIRE DEPARTMENT - 057**  
**LADDER CO. 3**  
**Asset # : 13215**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$5,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2027	\$26,300	1	\$1,700	
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Window/Wall Unit	50%	Now	\$500	2022	\$5,100	1		
<i>Malfunctioning, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
No Component	50%							
Ventilation								
Exhaust Fans								
Roof	15%			2034	**	2		
No Component	85%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	100%			2024	\$3,000	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units, 75 Gallons Each</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2022	\$200	4	\$200	
Backflow Preventer								
Generic	100%			2034	**	1	\$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2027	\$500	1-3	\$100	
No Component	98%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 29-Apr-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,3  
**Block** : 3821 **Lot** : 7 **BIN** : 2094871

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$97,500	\$144,700
Interior Architecture		\$57,500
<b>Total</b>	<b>\$97,500</b>	<b>\$202,200</b>
Importance Code A	\$97,500	\$144,700
Importance Code B		\$57,500
<b>Total</b>	<b>\$97,500</b>	<b>\$202,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$52,700			
Interior Architecture	\$62,200			\$300
Electrical	\$24,500	\$100		
Mechanical	\$8,500	\$1,000	\$7,500	\$1,000
Site Enclosure	\$200			
Site Pavements	\$600			
<b>Total</b>	<b>\$148,700</b>	<b>\$1,100</b>	<b>\$7,500</b>	<b>\$1,300</b>
Importance Code A	\$53,300	\$600	\$600	\$600
Importance Code B	\$79,800	\$500	\$6,900	\$700
Importance Code C	\$15,500			
<b>Total</b>	<b>\$148,700</b>	<b>\$1,100</b>	<b>\$7,500</b>	<b>\$1,300</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**  
**LADDER CO. 47**  
**Asset # : 13232**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	0-2	\$62,500	LIFE	**	5	\$20,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	20%	0-2	\$35,000	LIFE	**	5	\$4,400	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%	0-2	\$8,100	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	5%	0-2	\$4,700	2037	**	5	\$3,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	Now	\$17,400	2040	**	5	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Light, Area Affected : 2%</i>								
<i>Location : Main Truck Bay Window</i>								
Parapets								
Masonry: Brick	80%	0-2	\$11,200	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	20%	0-2	\$1,700	LIFE	**	5	\$3,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Parapet Wall Coping</i>								
Roof								
Modified Bitumen	95%	0-2	\$7,200	2029	\$144,700			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Roll Roofing	5%	0-2	\$2,300	2026	\$2,300	5	\$500	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Interior

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\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**LADDER CO. 47**  
**Asset # : 13232**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	38%	0-2	\$19,100	LIFE	**	5	\$7,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%	Now	\$900	2033	**	5	\$200	
<i>Horizontal Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Toilet Rooms</i>								
Quarry Tile	2%	0-2	\$600	2037	**	5	\$100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Sheet Vinyl/Rubber	20%	0-2	\$11,500	2029	\$57,500	5	\$1,400	
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Steel Plate	5%			LIFE	**	1		
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	25%	0-2	\$4,100	2029	\$20,600	3	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$900	2033	**	5	\$300	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	10%	2-4	\$1,500	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Gypsum Board	30%	Now	\$800	LIFE	**	5	\$2,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	20%	Now	\$5,200	LIFE	**			
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Plaster	30%	Now	\$6,400	LIFE	**	5	\$1,200	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Steel Plate	5%			LIFE	**	5	\$400	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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**FIRE DEPARTMENT - 057**  
**LADDER CO. 47**  
**Asset # : 13232**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%	0-2	\$800	2037	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Gypsum Board	40%	Now	\$7,800	LIFE	**	5	\$4,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Plaster	40%	Now	\$2,500	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
No Component	10%							
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%	0-2	\$200	2044	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Site Pavements</b>								
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%	0-2	\$600	2037	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
<b>Raceway</b>								
Conduit	100%			2050	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	80%			2046	**	5	\$100	
Molded Case Bkrs	20%			2040	**	5		
<b>Wiring</b>								
Braided Cloth	50%			2032	**	1		
Thermoplastic	50%			2050	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2041	**	5		
<b>Ground</b>								
<b>Grounding Devices</b>								
Not Accessible	100%							
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	100%			2034	**	10	\$5,800	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**LADDER CO. 47**  
**Asset # : 13232**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Lighting

Egress Lighting								
Emergency, Battery	50%			2024	\$4,400	10	\$800	
Exit, Service	50%			2024	\$400	1		
Exterior Lighting								
HID	100%			2020	\$24,400	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Heating

Energy Source								
Natural Gas	100%			2044	**	1		
Conversion Equipment								
Steam Boiler	100%			2041	**	1	\$6,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One Unit</i>						

Distribution								
Central Plant Steam Piping/Pmp	100%			2034	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2029	\$32,400	1	\$2,100	

## Air Conditioning

Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Window/Wall Unit	30%			2020	\$3,800	1		
No Component	70%							
Terminal Devices								
Fan Coil - 2 Pipe	10%	Now	\$700	2029	\$3,500	1	\$200	
		<i>Broken, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
No Component	90%							

Heat Rejection								
Air Cooled Condenser Unit	10%			2029	\$400	2	\$400	
No Component	90%							

## Ventilation

Exhaust Fans								
Roof	10%			2024	\$1,000	2		
No Component	90%							

## 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.

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**FIRE DEPARTMENT - 057**  
**LADDER CO. 47**  
**Asset # : 13232**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Gas Fired	100%			2022	\$3,700	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Two 75 Gallon Units</i>					
	Sanitary Piping Cast Iron	100%	Now	\$2,200	LIFE	**	1	
			<i>Corroded, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Basement</i>					
	Storm Drain Piping Cast Iron	100%	Now	\$600	LIFE	**	1	
			<i>Corroded, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
	Sump Pump(s) Submersible	100%			2020	\$200	4	\$200
	Backflow Preventer Generic	100%			2029	\$1,500	1	\$400
	Fixtures Generic	100%						
			<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Bathroom On 1st Floor</i>					
Fire Suppression								
	Chemical System Dry	10%			2022	\$2,700	1-3	\$400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Model Rg-4gs</i>					
	No Component	90%						

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\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 09-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Floors 1,2  
**Block** : 198 **Lot** : 136 **BIN** : 5005308

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Electrical		\$15,700
<b>Total</b>		<b>\$15,700</b>
Importance Code B		\$15,700
<b>Total</b>		<b>\$15,700</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$31,700			\$200
Interior Architecture	\$21,600	\$200	\$500	\$400
Electrical	\$500	\$2,100	\$4,800	\$700
Mechanical	\$2,100	\$800	\$2,300	\$1,000
Site Pavements	\$4,800			
<b>Total</b>	<b>\$60,700</b>	<b>\$3,200</b>	<b>\$7,600</b>	<b>\$2,300</b>
Importance Code A	\$32,200	\$600	\$700	\$800
Importance Code B	\$23,100	\$2,400	\$6,900	\$1,500
Importance Code C	\$5,400	\$200		
<b>Total</b>	<b>\$60,700</b>	<b>\$3,200</b>	<b>\$7,600</b>	<b>\$2,300</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**  
**LADDER CO. 79**  
**Asset # : 13222**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Exterior								
Exterior Walls								
	Alum/Vinyl Siding	28%			2047	**	10	\$1,300
	Masonry: Brick	60%			LIFE	**	5	\$9,200
	Masonry: Granite	2%			LIFE	**	5	\$200
	Wood Overhead Doors	10%	Now	\$24,600	2032	**	5	\$3,800
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Door Jamb And Head</i>								
<i>Loose/Miss Fasteners, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Windows								
	Aluminum	25%			2043	**	5	\$400
	Wood	75%			2035	**	5	\$11,900
Parapets								
	Metal Cornice	10%	0-2	\$400	2042	**		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Facade</i>								
<i>Explanation : Top Of Front Parapet</i>								
	No Component	70%						
	Not Accessible	15%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Front Of Building</i>								
<i>Explanation : Brick</i>								
	Not Accessible	5%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : At Front Of Building</i>								
<i>Explanation : Cast Stone And Terra Cotta</i>								
Roof								
	Asphalt Shingle	15%	Now	\$700	2030	**		
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Dining Room, Weight Room, And Barbecue Area</i>								
	Not Accessible	85%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Modified Bitumin</i>								
Interior								

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**FIRE DEPARTMENT - 057**  
**LADDER CO. 79**  
**Asset # : 13222**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$5,100	
Ceramic Tile	5%	4+	\$100	2036	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bathroom On 1st Floor</i>								
Quarry Tile	10%			2032	**	5	\$1,000	
Vinyl Tile	20%	Now	\$11,600	2037	**	3	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Throughout</i>								
Vinyl Tile	30%			2032	**	3	\$1,000	
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$500	
Gypsum Board	15%	Now	\$600	LIFE	**	5	\$800	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 1st Floor Areas Located Below Asphalt Shingle Roof</i>								
Masonry: Brick	10%			LIFE	**			
Plaster	25%			LIFE	**	5	\$700	
Wood	45%			LIFE	**	5	\$16,500	
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Apparatus Area</i>								
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$800	2040	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Washroom On 2nd Floor</i>								
Embossed Metal	40%			LIFE	**	5	\$1,200	
<i>Deformed/Dented, Extent : Light, Area Affected : 20%</i>								
<i>Location : Apparatus Area</i>								
Gypsum Board	40%	Now	\$8,300	LIFE	**	5	\$3,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Weight Room</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 1st Floor Areas Below Shingle Roof</i>								
Plaster	5%			LIFE	**	5	\$200	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2037	**			
Site Pavements								

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**FIRE DEPARTMENT - 057**  
**LADDER CO. 79**  
**Asset # : 13222**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Site Pavements

## Parking/Driveway

Cast in Place Concrete	100%	4+	\$4,800	2032	**			
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*Cracking/Crumbling, Extent : Light, Area Affected : 5%*

*Location : Front Driveway And 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	Priority

## Under 600 Volts

## Service Equipment

Molded Case Bkrs	100%			2027	\$4,900	5	\$200	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : First Floor*

*Explanation : 200 Amperes Main Circuit Breaker Enclosure*

## Raceway

Conduit	75%			2027	\$24,000	1		
Conduit	25%			2047	**	1		

## Panelboards

Fused Disc Sw	10%			2026	\$3,900	5		
Molded Case Bkrs	50%			2035	**	5	\$100	
Molded Case Bkrs	40%			2026	\$15,700	5	\$100	

## Wiring

Thermoplastic	70%			2027	\$19,800	1		
Thermoplastic	30%			2047	**	1		

## Motor Controllers

Locally Mounted	100%			2025	\$14,700	5		
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Basement*

*Explanation : No Ground Wire Jumper For Water Meter*

## Stand-by Power

## Transfer Switches

Automatic	100%			2040	**	1	\$1,800	
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## Generators

Diesel	100%			2036	**	1	\$2,300	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Basement*

*Explanation : One 40 Kw*

## Batteries

Lead/Acid	100%			2021	\$1,500	5	\$200	
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**FIRE DEPARTMENT - 057**  
**LADDER CO. 79**  
**Asset # : 13222**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Stand-by Power								
Fuel Storage								
Day Tank	50%			2043	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 50 Gallon</i>								
Main Tank	50%			2055	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 216 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	70%			2027	\$11,300	10	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	20%			2022	\$3,200	10	\$1,100	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : First And Second Floor</i>								
Incandescent	10%			2027	\$3,800	2		
Egress Lighting								
Emergency, Service	70%			2027	\$2,000	1		
Exit, LED	30%			2042	**	1		
Exterior Lighting								
HID	50%			2027	\$11,200	10		
No Component	50%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2032	**	1	\$200	

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
<i>Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$5,800	
Distribution								
Central Plant Steam Piping/Pmp	100%			2047	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2040	**	1	\$1,900	

## Air Conditioning

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. 79**  
**Asset # : 13222**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
<b>Energy Source</b>								
	Electricity	100%			2043	**	1	
<b>Conversion Equipment</b>								
	Window/Wall Unit	50%			2025	\$5,800	1	
	No Component	50%						
<b>Distribution</b>								
	Ductwork/Diffusers	50%			LIFE	**	2	\$3,800
	No Component	50%						
<b>Terminal Devices</b>								
	Air Handler/Dir Expansion	50%			2032	**	1	
	No Component	50%						
<b>Heat Rejection</b>								
	Air Cooled Condenser Unit	50%			2032	**	2	\$2,000
	No Component	50%						
<b>Ventilation</b>								
<b>Exhaust Fans</b>								
	Interior	80%	Now	\$800	2032	**	2	\$100
		<i>Malfunctioning, Extent : Moderate, Area Affected : 10% Location : 1st Floor Bathroom</i>						
	Wall Unit	20%	Now	\$100	2027	\$400	2	
		<i>Malfunctioning, Extent : Moderate, Area Affected : 20% Location : Kitchen Hood</i>						
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%			2037	**	1	
<b>Water Heater</b>								
	Gas Fired	100%			2025	\$3,400	2	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100% Location : Basement Explanation : 75 Gallons</i>						
<b>Sanitary Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Storm Drain Piping</b>								
	Cast Iron	100%			LIFE	**	1	
<b>Backflow Preventer</b>								
	Generic	100%			2032	**	1	\$400
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
<b>Chemical System</b>								
	Wet	10%			2025	\$2,700	1-3	\$400
	No Component	90%						

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\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : LADDER CO. 8  
**Address** : 14 NORTH MOORE STREET @ VARICK ST.  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSLAD.008 / 13216 **Yr Built/Renovated** : 1904 / 2002  
**Area Sq Ft** : 6,258 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 25-Jun-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 189 **Lot** : 35 **BIN** : 1002150

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$40,500	
Interior Architecture	\$43,900	
<b>Total</b>	<b>\$84,400</b>	
Importance Code A	\$40,500	
Importance Code B	\$43,900	
<b>Total</b>	<b>\$84,400</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$41,200			
Interior Architecture	\$63,300			
Electrical	\$400	\$500	\$400	\$400
Mechanical	\$2,000	\$600	\$1,000	\$700
Site Enclosure	\$5,300			
Site Pavements	\$1,900			
<b>Total</b>	<b>\$114,100</b>	<b>\$1,100</b>	<b>\$1,400</b>	<b>\$1,000</b>
Importance Code A	\$41,500	\$300	\$300	\$300
Importance Code B	\$23,600	\$700	\$1,100	\$700
Importance Code C	\$49,000			
<b>Total</b>	<b>\$114,100</b>	<b>\$1,100</b>	<b>\$1,400</b>	<b>\$1,000</b>



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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. 8**  
**Asset # : 13216**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$42,000	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%			LIFE	**	5	\$2,300	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	Now	\$40,500	LIFE	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : West Facades</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	15%			2049	**	5	\$14,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Apparatus Door</i>								
Windows								
Aluminum	100%			2054	**	5	\$1,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	87%			LIFE	**	5-10	\$15,700	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	8%			LIFE	**	5-10	\$2,600	
Slate	5%	Now	\$3,300	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	100%			2039	**	10	\$5,900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	**	5	\$8,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 60%</i>								
<i>Location : Apparatus Floor</i>								
Cast in Place Concrete	20%			LIFE	**	5	\$8,200	
Sheet Vinyl/Rubber	5%			2039	**	5	\$700	
Traffic Topping	5%			2039	**	5	\$600	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	50%			2069	**	5	\$8,800	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**LADDER CO. 8**  
**Asset # : 13216**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%			2044	**	5	\$600	
			<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
Concrete Masonry Unit	2%			LIFE	**	5	\$200	
			<i>Recent Construction, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
Fiberglass Panel	5%			LIFE	**	10	\$200	
			<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Mezzanine</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Mezzanine</i>					
			<i>Explanation : Foam Insulation Covering</i>					
Gypsum Board	33%			LIFE	**	5-10	\$7,200	
			<i>Recent Installation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
Masonry: Brick	20%	Now	\$22,400	LIFE	**			
			<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Throughout</i>					
			<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
Plaster	10%			LIFE	**	5-10	\$1,100	
			<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
SGFT/Glazed Masonry	25%	Now	\$13,900	LIFE	**			
			<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Apparatus Room</i>					

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**FIRE DEPARTMENT - 057**  
**LADDER CO. 8**  
**Asset # : 13216**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	3%			2049	**	5	\$300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Embossed Metal	40%			LIFE	**	5	\$3,400	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	2%	Now	\$1,300	LIFE	**	5		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
Exposed Struc: Steel	20%	Now	\$43,900	LIFE	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Gypsum Board	30%			LIFE	**	5-10	\$9,700	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	5%			LIFE	**	5	\$8,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Iron Picket	100%			2064	**			
<b>Free Standing Walls</b>								
Masonry: Brick	100%	Now	\$5,300	2039	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Side Yard</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Cast in Place Concrete	100%	Now	\$1,900	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Driveway Apron</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2059	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : The Service Equipment Consists Of One 200 Ampere Main Disconnect Switch.</i>								

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**FIRE DEPARTMENT - 057**  
**LADDER CO. 8**  
**Asset # : 13216**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Under 600 Volts								
Raceway								
	Conduit	100%			2059	**	1	
Panelboards								
	Molded Case Bkrs	100%			2054	**	5	\$200
Wiring								
	Thermoplastic	100%			2059	**	1	
Motor Controllers								
	Locally Mounted	100%			2049	**	5	
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$200
Lighting								
Interior Lighting								
	Fluorescent	5%			2039	**	10	\$300
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Bathrooms And Closets</i>				
				<i>Explanation : Fluorescent Fixtures Are T8 Lamp Type. They Are New Fixtures.</i>				
	LED	95%			2039	**		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Throughout Building</i>				
				<i>Explanation : New LED Fixtures Are Installed Throughout The Building.</i>				
Egress Lighting								
	Emergency, Battery	50%			2039	**	10	\$800
	Exit, LED	50%			2069	**	1	
Exterior Lighting								
	LED	100%			2039	**		
Alarm								
Fire/Smoke Detection								
	Generic, Analog	100%			2039	**	1-3	\$3,900
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Throughout Building</i>				
				<i>Explanation : There Are Individual Smoke Detectors Installed Throughout The Building.</i>				

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Heating								
Energy Source								
	Natural Gas	100%			2059	**	1	
Conversion Equipment								
	Hot Water Boiler	100%			2049	**	1	\$3,100
Distribution								
	Hot Wtr Piping/Pump	100%			2054	**	4	\$300
Terminal Devices								
	Convactor/Radiator	100%			2049	**	1	\$2,000
Air Conditioning								

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**FIRE DEPARTMENT - 057**  
**LADDER CO. 8**  
**Asset # : 13216**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
Energy Source								
	Electricity	100%			2054	**	1	
Conversion Equipment								
	Split Unit	70%			2039	**		
	No Component	30%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	70%			LIFE	**	2-5	\$3,900
	No Component	30%						
Exhaust Fans								
	Wall Unit	30%			2039	**	2	\$100
	No Component	70%						
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	95%			2059	**	1	
	Galvanized Steel	5%			2049	**	1	
Water Heater								
	Gas Fired	100%			2029	\$4,000	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Two 74 Gallon Units</i>				
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Non-Submersible	100%			2039	**	4	\$100
Backflow Preventer								
	Generic	100%			2039	**	1	\$400
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Installed On Steam Boiler Connection</i>				
Fixtures								
	Generic	100%						
<b>Fire Suppression</b>								
Chemical System								
	Wet	2%			2029	\$600	1-3	\$100
	No Component	98%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : MAINTENANCE GARAGE LIC  
**Address** : 48-34 35TH STREET LONG ISLAND CITY  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIR0001.000 / 2010 **Yr Built/Renovated** : 1945 / 2009  
**Area Sq Ft** : 205,000 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 28-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 254 **Lot** : 1 **BIN** : 4003451

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$1,502,900	\$680,800
Interior Architecture	\$867,900	\$433,900
Electrical		\$207,700
Mechanical	\$249,800	\$3,196,800
Site Pavements	\$46,800	
<b>Total</b>	<b>\$2,667,500</b>	<b>\$4,519,300</b>
Importance Code A	\$1,502,900	\$680,800
Importance Code B	\$537,200	\$3,796,800
Importance Code C	\$627,300	\$41,600
<b>Total</b>	<b>\$2,667,500</b>	<b>\$4,519,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$71,400			
Interior Architecture	\$131,100	\$32,000		\$12,800
Electrical	\$37,500	\$20,000	\$23,700	\$23,000
Mechanical	\$70,400	\$38,300	\$46,900	\$32,000
Site Pavements	\$6,200			
<b>Total</b>	<b>\$316,700</b>	<b>\$90,300</b>	<b>\$70,600</b>	<b>\$67,800</b>
Importance Code A	\$92,800	\$16,200	\$16,200	\$16,200
Importance Code B	\$152,300	\$74,100	\$54,400	\$51,500
Importance Code C	\$71,600			
<b>Total</b>	<b>\$316,700</b>	<b>\$90,300</b>	<b>\$70,600</b>	<b>\$67,800</b>



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Estimates are rounded to the nearest hundred dollars.

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**FIRE DEPARTMENT - 057**  
**MAINTENANCE GARAGE LIC**  
**Asset # : 2010**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	75%	Now	\$251,900	LIFE	**	5	\$437,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Over Bay Doors East And West Sides</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Over Bay Doors</i>								
Metal Panel	15%			2055	**	5-10	\$120,400	
Metal Sect. OHD	3%	Now	\$11,200	2042	**	5	\$5,500	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade Entrance</i>								
<i>Explanation : Bent Warped</i>								
Metal Coiling Doors	5%	Now	\$16,900	2042	**	5	\$9,100	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Side Of Building</i>								
Wood Overhead Doors	2%	Now	\$45,200	2034	**	5	\$5,800	
<i>Deteriorated Finish, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Loading Docks</i>								
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Loading Docks</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Loading Docks</i>								
Windows								
Aluminum	95%	Now	\$56,000	2051	**	5	\$3,300	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor Offices And Machine Shop</i>								
Metal Louvers	5%	Now	\$5,200	2038	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast in Place Concrete	95%			LIFE	**	5	\$311,200	
Metal Panel	5%			2055	**	5	\$3,100	
Roof								
Modified Bitumen	95%	Now	\$632,000	2037	**			
<i>Ponding, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Flat Roofs</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Flat Roofs</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Offices</i>								
Skylight, Metal/Glass	5%	Now	\$362,100	2049	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Maintenance Bay</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Maintenance Bay</i>								
<i>Explanation : Broken Glazing Coverd With Plywood</i>								

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**FIRE DEPARTMENT - 057**  
**MAINTENANCE GARAGE LIC**  
**Asset # : 2010**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Soffits								
Cast in Place Concrete	100%	Now	\$3,800	LIFE	**	5	\$3,300	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Entrance</i>								
Interior								
Floors								
Cast in Place Concrete	70%	4+	\$95,200	LIFE	**	5	\$392,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2038	**	5	\$12,800	
Terrazzo	5%	4+	\$12,200	LIFE	**	5	\$10,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor Lobby</i>								
Vinyl Tile	20%	Now	\$44,500	2034	**	3	\$19,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 1st Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 1st Floor</i>								
Interior Walls								
Cast in Place Concrete	35%	Now	\$627,300	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Window Lintel Second Floor Offices</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lintels At 2nd Floor Offices</i>								
Concrete Masonry Unit	10%			LIFE	**	5	\$22,200	
Gypsum Board	25%	Now	\$14,700	LIFE	**	5	\$41,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout 1st Floor</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout 1st Floor</i>								
Masonry: Brick	5%			LIFE	**	10	\$4,200	
Plaster	5%			LIFE	**	5-10	\$11,800	
SGFT/Glazed Masonry	20%			LIFE	**	10	\$27,800	
Ceilings								
AcousTileSusp.Lay-In	25%			2046	**	5	\$64,000	
Exposed Concrete	60%	Now	\$101,000	LIFE	**	5	\$24,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Concrete Beam At Ceiling Over Storage Area</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Offices</i>								
Exposed Struc: Steel	5%			LIFE	**	10	\$25,600	
Plaster	10%			LIFE	**	5-10	\$44,000	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	**			

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**FIRE DEPARTMENT - 057**  
**MAINTENANCE GARAGE LIC**  
**Asset # : 2010**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Site Enclosure								
Retaining Walls								
Concrete Masonry Unit	100%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$46,800	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Grade Beam Holding Up Grating</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Grade Beam Holding Up Grating</i>								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$6,200	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Steps To 1st Floor Entrance, West Side</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2042	**			
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2049	**	5	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room Basement</i>								
<i>Explanation : Two 3000 Ampere Main Disconnect Switches</i>								
Transformers								
Dry Type	100%			2042	**	5	\$800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : One 225 And One 112.5 Kilo-volt-ampere, 480/277 High Voltage - 208/120 Low Voltage</i>								
Switchgear / Switchboard								
Air Circuit Breaker	50%			2049	**	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%			2049	**	5	\$400	
Raceway								
Conduit	50%			2049	**	1		
Conduit	50%			2029	\$16,000	1		
Panelboards								
Fused Disc Sw	5%			2045	**	5	\$200	
Fused Disc Sw	5%			2028	\$2,000	5	\$200	
Molded Case Bkrs	50%			2028	\$19,700	5	\$2,700	
Molded Case Bkrs	40%			2045	**	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.

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**FIRE DEPARTMENT - 057**  
**MAINTENANCE GARAGE LIC**  
**Asset # : 2010**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Under 600 Volts								
Wiring								
	Thermoplastic	50%			2049	**	1	
	Thermoplastic	50%			2029	\$14,200	1	
Motor Controllers								
	Locally Mounted	70%			2042	**	5	\$1,000
	Locally Mounted	30%			2027	\$4,400	5	\$400
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$6,000
Stand-by Power								
Transfer Switches								
	Automatic	100%			2042	**	1	\$63,100
Generators								
	Diesel	100%			2038	**	1	\$79,400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Generator Room Basement</i>					
			<i>Explanation : Two 750 Kilowatts</i>					
Batteries								
	Lead/Acid	100%			2023	\$1,500	5	\$7,600
Fuel Storage								
	Day Tank	50%			2045	**	5	\$19,000
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Generator Room Basement</i>					
			<i>Explanation : One 620 Gallon</i>					
	Main Tank	50%			2057	**	5	\$3,000
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Underground</i>					
			<i>Explanation : One 2500 Gallon</i>					
Lighting								
Interior Lighting								
	Fluorescent	30%			2034	**	10	\$56,400
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Offices, Storage And Basement</i>					
	Fluorescent	70%			2034	**	10	\$131,600
			<i>T-5 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Repair Shops And Garage</i>					
Egress Lighting								
	Emergency, Service	60%			2034	**	1	
	Emergency, Battery	10%			2034	**	10	\$4,900
	Exit, Service	30%			2034	**	1	
Exterior Lighting								
	HID	100%			2034	**	10	\$600
Alarm								

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**FIRE DEPARTMENT - 057**  
**MAINTENANCE GARAGE LIC**  
**Asset # : 2010**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Alarm**

## Security System

No Component

70%

Generic

30%

2034

\* \*

1

\$23,000

*Other Observation, Extent : Light, Area Affected : 100%**Location : Inside And Outside**Explanation : CCTV Surveillance Camera*

## Fire/Smoke Detection

No Component

70%

Generic, Digital

30%

2034

\* \*

1-3

\$37,900

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

## Energy Source

Natural Gas

40%

2049

\* \*

1

Interruptible Gas/Dual

60%

2049

\* \*

1

Fuel

## Conversion Equipment

Furnace

40%

0-2

\$9,200

2034

\* \*

1

\$36,500

*Malfunctioning, Extent : Severe, Area Affected : 40%**Location : Roof**Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : 4 Units*

Steam Boiler

60%

2042

\* \*

1

\$121,800

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Boiler Room**Explanation : 3 Units*

## Distribution

Central Plant Steam

60%

Now

\$199,000

2029

\$1,989,900

4

\$6,100

Piping/Pmp

*Leak Evident, Extent : Severe, Area Affected : 60%**Location : Throughout*

No Component

40%

## Terminal Devices

Convactor/Radiator

40%

Now

\$21,000

2034

\* \*

1

\$23,800

*Other Observation, Extent : Severe, Area Affected : 40%**Location : Throughout**Explanation : Steam Traps Faulty*

Fan Coil Unit/Heat

20%

2029

\$586,900

1

\$13,200

No Component

40%

**Air Conditioning**

## Energy Source

Electricity

100%

2037

\* \*

1

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**FIRE DEPARTMENT - 057**  
**MAINTENANCE GARAGE LIC**  
**Asset # : 2010**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Exterior Pkg Unit - Cooling	5%			2029	\$79,300	2	\$600	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Split Unit	10%			2034	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Refrigerant R-410 A</i>								
Window/Wall Unit	15%			2024	\$61,300	1		
No Component	70%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2034	**	1	\$6,600	
No Component	90%							
Heat Rejection								
Dry Cooler	10%			2034	**	2	\$14,300	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$181,000	
Exhaust Fans								
Interior	5%			2034	**	2	\$300	
Roof	95%			2029	\$309,100	2	\$6,000	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	100%			2027	\$119,500	2	\$3,000	
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2029	\$29,900	4	\$6,500	
Backflow Preventer								
Generic	100%			2037	**	1	\$12,600	
Fixtures								
Generic	100%							
Fire Suppression								
Standpipe								
Generic	100%			2039	**	1-5	\$103,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 34th Street Side Wall</i>								
<i>Explanation : Connection</i>								
Sprinkler								
No Component	50%							
Generic	50%			2039	**	1-2	\$28,700	

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**FIRE DEPARTMENT - 057**  
**MAINTENANCE GARAGE LIC**  
**Asset # : 2010**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Chemical System							
	Generic	100%			2027	\$26,700	1-3	\$3,700

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

Asset Name : MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292  
 Address : HAMMERHEAD AVE.  
 Borough : BROOKLYN Agency's Number : N/A  
 Program / Asset # : FIRMAR6.000 / 14078 Yr Built/Renovated : 1893 / 2008  
 Area Sq Ft : 17,024 Project Type : FIRE DEPARTMENT  
 Date of Survey : 17-Nov-2016 Landmark Status : NONE  
 Areas Surveyed : Floors 1,2  
 Block : 2023 Lot : 1 BIN : 3335122

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Interior Architecture		\$66,200
Electrical		\$48,300
Mechanical		\$569,500
<b>Total</b>		<b>\$684,000</b>
Importance Code A		\$125,400
Importance Code B		\$558,600
<b>Total</b>		<b>\$684,000</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$47,800	\$1,500		
Interior Architecture	\$48,100	\$900		\$13,300
Electrical	\$1,200	\$1,600	\$3,000	\$12,300
Mechanical	\$20,200	\$3,100	\$4,900	\$44,100
<b>Total</b>	<b>\$117,300</b>	<b>\$7,000</b>	<b>\$7,900</b>	<b>\$69,800</b>
Importance Code A	\$50,400	\$2,300	\$800	\$900
Importance Code B	\$49,400	\$4,000	\$7,100	\$68,900
Importance Code C	\$17,500	\$600		
<b>Total</b>	<b>\$117,300</b>	<b>\$7,000</b>	<b>\$7,900</b>	<b>\$69,800</b>



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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**  
**MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292**  
**Asset # : 14078**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$31,500	LIFE	**	5	\$10,200	
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Above Overhead Doors And Various 2nd Floor Windows</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Explanation : Facility Occupies Only A Portion Of Building Entire</i>								
Metal Coiling Doors	8%			2041	**	5	\$3,000	
Pre-Cast Concrete	7%	Now	\$1,400	LIFE	**	5	\$2,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor South Facing Windows</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Window Sills</i>								
Windows								
Aluminum	25%			2044	**	5	\$100	
Steel	75%	0-2	\$15,000	2053	**	5	\$1,800	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Exterior And Interior Mullions Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Light, Area Affected : 5%</i>								
<i>Location : Shops Area - 1st Floor</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 1st And 2nd Story Windows</i>								

Interior

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**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	45%	Now	\$10,400	LIFE	**	5	\$21,500	
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : First Floor Shop</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Shops / Apparatus Area</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : Shops / Apparatus Area</i>								
Ceramic Tile	5%	Now	\$2,200	2031	**	5	\$500	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Water Area At Showers And Sinks</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Water Area At Showers And Sinks</i>								
Ceramic Tile	2%			2041	**	5	\$400	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Quarry Tile	8%			2045	**	5	\$2,600	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Kitchen</i>								
Vinyl Tile	35%	0-2	\$13,200	2028	\$66,200	3	\$2,900	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor - Throughout Offices And Bunk Rooms</i>								
Vinyl Tile 9" X 9"	5%			2023	\$12,300	3	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Areas And Safety Locker Room</i>								
<i>Explanation : 9x9s Installed</i>								

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**FIRE DEPARTMENT - 057**  
**MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292**  
**Asset # : 14078**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	5%	Now	\$1,800	2031	**	5	\$600	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Toilet and shower Rooms</i>								
Ceramic Tile	5%			2041	**	5	\$1,300	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Bathrooms And Kitchen</i>								
Concrete Masonry Unit	40%	Now	\$11,500	LIFE	**	5	\$4,100	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Corridors</i>								
Glass: Single Pane	5%			LIFE	**	5	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Corridor On 2nd Floor</i>								
<i>Explanation : Interior Window Wall</i>								
Gypsum Board	40%	Now	\$4,300	LIFE	**	5	\$6,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Baseboard Missing - 2nd Floor Corridors</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
Wood	5%			LIFE	**	5	\$5,100	
<b>Ceilings</b>								
AcousTileConcealSpLn	5%	0-2	\$200	2041	**	5	\$700	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Sout Facing Office - 2nd Floor</i>								
AcousTileSusp.Lay-In	35%	Now	\$3,200	2041	**	5	\$3,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout</i>								
Embossed Metal	5%			LIFE	**	5	\$500	
Exposed Concrete	55%			LIFE	**	5	\$1,900	
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2033	**			
<b>Parking/Driveway</b>								
Asphalt	100%			2037	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2048	**	5	\$100	

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**FIRE DEPARTMENT - 057**  
**MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292**  
**Asset # : 14078**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
<b>Transformers</b>								
	Dry Type	100%			2033	**	5	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Mechanical Room, 2nd Floor</i>								
<i>Explanation : One 45 Kva 480v Pri - 208/120v Sec</i>								
<b>Raceway</b>								
	Conduit	60%			2048	**	1	
	Conduit	40%			2038	**	1	
<b>Panelboards</b>								
	Fused Disc Sw	5%			2044	**	5	
	Fused Disc Sw	5%			2036	**	5	
	Molded Case Bkrs	50%			2044	**	5	\$200
	Molded Case Bkrs	40%			2036	**	5	\$200
<b>Wiring</b>								
	Thermoplastic	60%			2048	**	1	
	Thermoplastic	40%			2038	**	1	
<b>Motor Controllers</b>								
	Locally Mounted	40%			2033	**	5	
	Locally Mounted	60%			2041	**	5	\$100
<b>Ground</b>								
<b>Grounding Devices</b>								
	Not Accessible	100%						
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
	Automatic	100%			2041	**	1	\$5,200
<b>Generators</b>								
	Diesel	100%			2037	**	1	\$6,600
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 500kw And One 125 Kw Kohler Power System</i>								
<b>Batteries</b>								
	Lead/Acid	100%			2022	\$1,500	5	\$600
<b>Fuel Storage</b>								
	Main Tank	100%			2056	**	5	\$500
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 240 Gallons For 125 Kw Generator And One 875 Gallons For 500 Kw Generator</i>								
<b>Lighting</b>								

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**FIRE DEPARTMENT - 057**  
**MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292**  
**Asset # : 14078**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Lighting</b>								
Interior Lighting								
Fluorescent	70%			2033	**	10	\$10,900	
			<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Storage, 1st And 2nd Floor Offices, Locker Room And Hallway</i>					
Fluorescent	5%			2028	\$2,400	10	\$800	
			<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : 2nd Floor</i>					
HID	15%			2033	**	10	\$100	
LED	10%			2038	**			
<b>Egress Lighting</b>								
Emergency, Service	50%			2033	**	1		
Emergency, Service	5%			2038	**	1		
Emergency, Service	5%			2028	\$400	1		
Exit, Service	40%			2028	\$800	1		
<b>Exterior Lighting</b>								
HID	70%			2028	\$45,900	10		
HID	30%			2038	**	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2038	**	1		
<b>Conversion Equipment</b>								
Hot Water Boiler	100%	0-2	\$2,500	2026	\$125,400	1	\$7,600	
			<i>Malfunctioning, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Boiler Control System</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 2nd Floor Boiler Room</i>					
			<i>Explanation : 6 Boilers Piped With Header</i>					
<b>Distribution</b>								
Hot Wtr Piping/Pump	100%	0-2	\$1,300	2027	\$25,400	4	\$800	
			<i>Corroded, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Boiler Room</i>					
<b>Terminal Devices</b>								
Air Handler	70%			2028	\$160,200	1	\$7,400	
Convactor/Radiator	15%			2033	**	1	\$800	
Unit Heater - Steam	15%	Now	\$900	2023	\$8,700	4	\$200	
			<i>Not in Service, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : 1st Floor</i>					
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2036	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057**  
**MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292**  
**Asset # : 14078**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Interior Pkg Unit - Cooling	40%	Now	\$12,200	2026	\$243,400	2	\$300
				<i>Broken, Extent : Severe, Area Affected : 5%</i>				
				<i>Location : Fresh Air Louvers</i>				
				<i>Not in Service, Extent : Moderate, Area Affected : 5%</i>				
				<i>Location : Temp. Controller</i>				
				<i>R-22 Refrigerant, Extent : Light, Area Affected : 40%</i>				
				<i>Location : 2nd Floor</i>				
				<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>				
				<i>Location : 3 Units, Mechanical Room On 2nd Floor</i>				
				<i>Explanation : Filters Are Required</i>				
	Split Unit	30%			2036	**		
				<i>Other Observation, Extent : Light, Area Affected : 30%</i>				
				<i>Location : 1st Floor Machine Shop</i>				
				<i>Explanation : 3 Units. R-410a</i>				
	Window/Wall Unit	10%			2023	\$3,400	1	
	No Component	20%						
Terminal Devices								
	Fan Coil - 2 Pipe	30%			2036	**	1	\$1,700
	No Component	70%						
Heat Rejection								
	Evaporative Condenser	30%			2036	**	2	\$3,600
	No Component	70%						
Ventilation								
Distribution								
	Ductwork/Diffusers	70%			LIFE	**	2-5	\$6,600
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : 1st Floor Garage</i>				
				<i>Explanation : Serves Garage Only</i>				
	No Component	30%						
Exhaust Fans								
	Interior	70%			2028	\$40,500	2	\$400
	Wall Unit	30%			2028	\$1,700	2	\$200
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2038	**	1	
Water Heater								
	Electric	100%			2027	\$14,300	4	\$100
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Backflow Preventer								
	Not Accessible	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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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**  
**MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292**  
**Asset # : 14078**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Plumbing	Fixtures							
	Generic	100%						
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen And Bathrooms</i>								
Fire Suppression	Standpipe							
	Generic	100%			2048	* *	1-5	\$8,600
	Sprinkler							
	Generic	100%			2038	* *	1-2	\$4,800
	Fire Pump							
	Not Accessible	100%						
	Chemical System							
	Generic	100%			2023	\$26,700	1-3	\$4,000

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : MARINE 9 RESPONSE UNIT  
**Address** : FRONT AND WAVE STREETS @ WATERFRONT  
**Borough** : STATEN ISLAND      **Agency's Number** : N/A  
**Program / Asset #** : FIRMAR9.000 / 14079      **Yr Built/Renovated** : 2011 /  
**Area Sq Ft** : 8,000      **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 17-Nov-2016      **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 487      **Lot** : 100      **BIN** :

**CAPITAL****Total**

Importance Code

**Total**

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$5,100	\$14,500		\$24,400
Interior Architecture	\$1,500	\$4,300	\$2,800	\$400
Electrical	\$1,400	\$1,500	\$1,300	\$3,800
Mechanical	\$500	\$300	\$1,000	\$300
<b>Total</b>	<b>\$8,500</b>	<b>\$20,600</b>	<b>\$5,200</b>	<b>\$28,800</b>
Importance Code A	\$5,100	\$14,500		\$24,400
Importance Code B	\$3,400	\$6,000	\$3,500	\$4,400
Importance Code C			\$1,700	
<b>Total</b>	<b>\$8,500</b>	<b>\$20,600</b>	<b>\$5,200</b>	<b>\$28,800</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**  
**MARINE 9 RESPONSE UNIT**  
**Asset # : 14079**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
Exterior Walls								
Cast in Place Concrete	5%			LIFE	**	5	\$5,400	
Concrete Masonry Unit	30%			LIFE	**	5	\$4,100	
Metal Panel	30%			2048	**	5-10	\$44,600	
Metal Sect. OHD	5%			2041	**	5	\$3,400	
Window Wall	30%			2048	**	5	\$24,400	
Windows								
Aluminum	100%	Now	\$5,100	2044	**	5	\$1,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bunk Room And Gymnasium</i>								
Parapets								
Metal Rail	90%			2041	**	5-10	\$20,200	
Metal: Cage/Fence	10%			2041	**	5-10	\$1,000	
Roof								
Not Accessible	100%							
<b>Interior</b>								
Floors								
Cast in Place Concrete	15%	Now	\$1,500	LIFE	**	5	\$3,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Garage</i>								
Ceramic Tile	25%			2037	**	5	\$2,400	
Panel/Paver: Cer/Brk	30%			2044	**	5	\$6,400	
Sheet Vinyl/Rubber	5%			2033	**	5	\$700	
Vinyl Tile	25%			2033	**	3	\$900	
Interior Walls								
Ceramic Tile	25%			2037	**	5	\$3,300	
Gypsum Board	35%			LIFE	**	5	\$2,800	
Wood	15%			LIFE	**	5	\$8,000	
No Component	25%							
Ceilings								
AcousTileSusp.Lay-In	85%			2041	**	5	\$8,000	
Exposed Struc: Steel	15%			LIFE	**			
Site Enclosure								
Fence/Gates								
Chain Link	100%			2048	**			
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2041	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

Over 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**  
**MARINE 9 RESPONSE UNIT**  
**Asset # : 14079**

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
<b>Over 600 Volts</b>								
Service Equipment Fused Disc Sw	100%			2054	**	3		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 600 Amperes, 13.8kv</i>								
Transformers Dry Type	100%			2045	**	3		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 1-750kva, 4160v/480/277volts, 1-750kva, 13.2kv/480/277volts</i>								
Feeders Cable	100%			2050	**	1		
Raceway Conduit	100%			2054	**	1		
<b>Under 600 Volts</b>								
Service Equipment Molded Case Bkrs	100%			2054	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 800 Amperes.</i>								
Transformers Dry Type	100%			2045	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room, And Outside</i>								
<i>Explanation : Three 112.5 Kva, 480/208/120volts And 30kva, 45kva 480/208/120 Volts</i>								
Switchgear / Switchboard Molded Case Bkrs	100%			2054	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 1- Vertical Section</i>								
Raceway Conduit	100%			2054	**	1		
Panelboards Fused Disc Sw	15%			2050	**	5		
Molded Case Bkrs	85%			2050	**	5	\$200	
Wiring Thermoplastic	100%			2054	**	1		
Motor Controllers Locally Mounted	100%			2045	**	5	\$100	
<b>Ground</b>								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Water Main Room</i>								
<i>Explanation : Connected To Metal Water Pipe</i>								
<b>Stand-by Power</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**  
**MARINE 9 RESPONSE UNIT**  
**Asset # : 14079**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2045	**	1	\$2,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : Rated At 1200 Amperes, Eaton ATC-300 Automatic Transfer Switch Controller</i>						
<b>Generators</b>								
Diesel	100%			2041	**	1	\$3,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : Emergency Generator Rated At 562.5kva Or 450kw</i>						
<b>Batteries</b>								
Nickel Cadmium	100%			2023	\$1,500	5	\$1,800	
<b>Fuel Storage</b>								
Main Tank	100%			2063	**	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 800 Gallons Rated Capacity</i>						
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	90%			2036	**	10	\$5,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps, Equipped With Occupancy Sensors</i>						
Fluorescent	10%			2036	**	10	\$600	
		<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Hallways</i>						
<b>Egress Lighting</b>								
Emergency, Service	40%			2036	**	1		
Emergency, Battery	30%			2036	**	10	\$500	
Exit, LED	30%			2063	**	1		
<b>Exterior Lighting</b>								
Fluorescent	50%			2036	**	10	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Perimeter Of The Building</i>						
		<i>Explanation : 17 CFL ( Compact Fluorescent Light Fixtures)</i>						
Fluorescent	50%			2036	**	10	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 17 Fluorescent Fixtures With T-8 Lamps</i>						
<b>Alarm</b>								
<b>Security System</b>								
Generic	100%			2036	**	1	\$3,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Inside And Outside</i>						
		<i>Explanation : 9 CCTV Surveillance Cameras</i>						

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**FIRE DEPARTMENT - 057**  
**MARINE 9 RESPONSE UNIT**  
**Asset # : 14079**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Alarm**

Fire/Smoke Detection  
Generic, Digital

100%

2036

\* \*

1-3

\$4,900

*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : Smoke Detectors, Heat Detector, Manual Pull Station, Alarm Bells And Horns*

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

Energy Source

Electricity

40%

2054

\* \*

1

Solar Panel(s)

60%

2054

\* \*

2

\$200

Terminal Devices

Fan Coil Unit/Heat

20%

2036

\* \*

1

\$400

*Other Observation, Extent : Light, Area Affected : 20%**Location : 1st Floor Garage**Explanation : Electric Fan Coil Unit Heater.*

No Component

80%

**Air Conditioning**

Energy Source

Electricity

100%

2053

\* \*

1

Conversion Equipment

Ext Pkg Unit -

Heating/Cooling

100%

2036

\* \*

2

\$400

*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : 3 Roof Top Units With Refrigerant R- 410a***Ventilation**

Distribution

Ductwork/Diffusers

100%

LIFE

\* \*

2-5

\$3,500

Exhaust Fans

Roof

15%

2036

\* \*

2

No Component

85%

*Other Observation, Extent : Light, Area Affected : 0%**Location : Roof**Explanation : Process Is Carried Out Through A C System***Plumbing**

H/C Water Piping

Brass/Copper

100%

2054

\* \*

1

Water Heater

Electric

100%

2027

\$5,300

4

*Other Observation, Extent : Light, Area Affected : 100%**Location : First Floor Mechanical Room**Explanation : 2 Units - Hot Water Solar Panels Are Used To Heat The Water*

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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**FIRE DEPARTMENT - 057**  
**MARINE 9 RESPONSE UNIT**  
**Asset # : 14079**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	Generic	100%			2036	**	1	\$400
	Fixtures							
	Generic	100%						
<b>Fire Suppression</b>								
	Sprinkler							
	Generic	100%			2058	**	1-2	\$1,800
	Chemical System							
	No Component	80%						
	Generic	10%			2027	\$2,700	1-3	\$400
	Generic	10%			2028	\$2,700	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

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\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : RESCUE 1  
**Address** : 530 WEST 43rd STREET BTWN 10TH AVE. - 11TH AVE.  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSRES.001 / 13227 **Yr Built/Renovated** : 1988 /  
**Area Sq Ft** : 6,700 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 23-Jan-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 1071 **Lot** : 49 **BIN** : 1070109

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$45,800	
Electrical		\$154,400
Mechanical	\$49,400	
<b>Total</b>	<b>\$95,200</b>	<b>\$154,400</b>
Importance Code A	\$95,200	
Importance Code B		\$154,400
<b>Total</b>	<b>\$95,200</b>	<b>\$154,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$32,700		\$3,400	
Interior Architecture	\$29,300		\$2,400	\$1,700
Electrical	\$8,400	\$500	\$600	\$700
Mechanical	\$8,000	\$1,200	\$2,400	\$1,100
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$82,400</b>	<b>\$5,600</b>	<b>\$12,700</b>	<b>\$7,500</b>
Importance Code A	\$32,700	\$300	\$3,700	\$300
Importance Code B	\$37,900	\$5,300	\$9,000	\$6,200
Importance Code C	\$11,700			\$1,000
<b>Total</b>	<b>\$82,400</b>	<b>\$5,600</b>	<b>\$12,700</b>	<b>\$7,500</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**  
**RESCUE 1**  
**Asset # : 13227**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	25%			LIFE	**	5	\$13,600	
Masonry: Granite	70%	4+	\$45,800	LIFE	**	5	\$14,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Wheel Guard</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Impact Damage At Wheel Guard</i>								
Wood Overhead Doors	5%			2042	**	5	\$6,800	
Windows								
Aluminum	100%			2045	**	5	\$600	
Parapets								
Masonry: Brick	80%			LIFE	**	5-10	\$11,000	
Masonry: Granite	15%			LIFE	**	5-10	\$4,200	
Metal Cornice	5%			2057	**	10	\$300	
Roof								
IRMA/Protected Membrane	95%	0-2	\$10,800	2034	**			
<i>Insul Miss/Displaced, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Filter Sheet Below Balast Ripped And Damaged</i>								
Skylight, Plastic	5%	0-2	\$1,700	2042	**	1		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Soffits								
Granite Panels	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$15,400	
Ceramic Tile	15%			2038	**	5	\$1,500	
Quarry Tile	10%			2042	**	5	\$1,500	
Sheet Vinyl/Rubber	10%			2034	**	5	\$1,500	
Vinyl Tile	30%			2034	**	3	\$1,100	
Interior Walls								
Ceramic Tile	15%			2038	**	5	\$2,000	
Concrete Masonry Unit	50%			LIFE	**	5	\$5,300	
SGFT/Glazed Masonry	35%	4+	\$9,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	25%			2042	**	5	\$2,500	
Gypsum Board	5%			LIFE	**	5-10	\$1,700	
Metal Panel	70%			LIFE	**	5	\$17,600	
Site Pavements								

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Estimates are rounded to the nearest hundred dollars.

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**FIRE DEPARTMENT - 057**  
**RESCUE 1**  
**Asset # : 13227**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%			2042		**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Molded Case Bkrs	100%			2029	\$4,900	5	\$200	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Electrical Room**Explanation : 600 Ampere Main Disconnect Switch*

## Switchgear / Switchboard

Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
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## Raceway

Conduit	100%			2029	\$32,000	1		
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## Panelboards

Fused Disc Sw	5%			2028	\$2,000	5		
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Molded Case Bkrs	95%			2028	\$37,400	5	\$200	
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## Wiring

Thermoplastic	100%			2029	\$28,300	1		
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## Motor Controllers

Locally Mounted	100%			2027	\$14,700	5		
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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## Stand-by Power

## Transfer Switches

Automatic	100%			2027	\$4,900	1	\$2,100	
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## Generators

Diesel	100%			2025	\$67,200	1	\$2,600	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Generator Room**Explanation : One 80 Kilo-volt-ampere*

## Batteries

Lead/Acid	100%			2020	\$1,500	5	\$200	
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## Fuel Storage

Day Tank	30%			2028	\$100	5	\$400	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Generator Room**Explanation : One 60 Gallons*

Main Tank	70%			2032	**	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : One 550 Gallons*

## Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**RESCUE 1**  
**Asset # : 13227**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Lighting**

Interior Lighting Fluorescent	100%			2024	\$18,600	10	\$6,100	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Throughout The Building*

*Explanation : T-8 Lamps*

Egress Lighting Emergency, Service No Component	60%			2024	\$2,000	1		
	40%							

Exterior Lighting HID	100%			2024	\$25,800	10		
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<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

Energy Source Natural Gas	100%			2039	**	1		
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Conversion Equipment Hot Water Boiler	100%	Now	\$49,400	2049	**	1	\$3,000	
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*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 HydroTherm Boilers*

Distribution Hot Wtr Piping/Pump	100%			2037	**	4	\$500	
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Terminal Devices Convactor/Radiator	75%	Now	\$1,300	2034	**	1	\$1,500	
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*Other Observation, Extent : Moderate, Area Affected : 5%*

*Location : Kitchen*

*Explanation : Inadequate Heat*

Unit Heater - Steam	25%			2034	**	4	\$200	
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**Air Conditioning**

Energy Source Electricity	100%			2051	**	1		
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Conversion Equipment Window/Wall Unit No Component	10%			2024	\$1,300	1		
	90%							

Terminal Devices Air Handler/Cool/Ht No Component	90%			2034	**	1	\$3,700	
	10%							

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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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Heat Rejection								
Air Cooled Condenser Unit	90%			2034	**	2	\$4,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Refrigerant Type 410-A</i>								
No Component	10%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,900	
Exhaust Fans								
Interior	50%	Now	\$600	2029	\$11,400	2	\$100	
<i>On Extended Life, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	**	1		
Water Heater								
Gas Fired	100%			2027	\$3,900	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2029	\$1,000	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Pit Dual Pump</i>								
Fixtures								
Generic	100%							
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Vertical Transport								
Elevators								
Hydraulic	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement To First Floor</i>								
<i>Explanation : 1 Unit</i>								
Fire Suppression								
Sprinkler								
No Component	80%							
Generic	20%			2039	**	1-2	\$400	

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**FIRE DEPARTMENT - 057**  
**RESCUE 1**  
**Asset # : 13227**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
Fire Suppression	Chemical System							
	Dry	10%	Now	\$2,700	2029	\$2,700	1-3	\$300
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : PCL-300, Needs Replacement</i>						
	No Component	80%						
	Generic	10%			2024	\$2,700	1-3	\$400
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Fire Extinguishers</i>						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : RESCUE 2 (OLD ENGINE CO. 234)  
**Address** : 1472 BERGEN STREET BTWN TROY AV - SCHENECTADY AV  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : FIRSRES.002 / 13228 **Yr Built/Renovated** : 1892 /  
**Area Sq Ft** : 3,975 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 22-Mar-2018 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 1353 **Lot** : 14 **BIN** : 3035830

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$227,700	
Electrical		\$87,300
Mechanical		\$64,300
<b>Total</b>	<b>\$227,700</b>	<b>\$151,600</b>
Importance Code A	\$227,700	
Importance Code B		\$151,600
<b>Total</b>	<b>\$227,700</b>	<b>\$151,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$37,100			
Interior Architecture	\$64,800		\$400	\$700
Electrical	\$4,000			\$100
Mechanical	\$900	\$600	\$3,900	\$500
Site Pavements	\$3,800			
<b>Total</b>	<b>\$110,600</b>	<b>\$600</b>	<b>\$4,300</b>	<b>\$1,300</b>
Importance Code A	\$37,500	\$400	\$400	\$400
Importance Code B	\$55,500	\$200	\$3,900	\$500
Importance Code C	\$17,600			\$400
<b>Total</b>	<b>\$110,600</b>	<b>\$600</b>	<b>\$4,300</b>	<b>\$1,300</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.  
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**FIRE DEPARTMENT - 057**  
**RESCUE 2 (OLD ENGINE CO. 234)**

**Asset # : 13228**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%	Now	\$142,200	LIFE	**	5	\$15,400	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : South Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Sandstone	5%			LIFE	**	5	\$1,300	
Wood Overhead Doors	5%	Now	\$27,600	2049	**	5	\$2,100	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 100%</i>								
<i>Location : North Facade</i>								
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North Facade</i>								
<i>Split/Cracked, Extent : Severe, Area Affected : 25%</i>								
<i>Location : North Facade</i>								
Windows								
Aluminum	100%			2045	**	5	\$500	
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$500	LIFE	**	5	\$700	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Coping At Kitchen Parapet</i>								
Masonry: Brick	85%	Now	\$4,200	LIFE	**	5	\$700	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Parapet Over Kitchen</i>								
Masonry: Sandstone	5%	Now	\$3,800	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Front Parapet Coping</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Parapet Coping</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Front Parapet Coping</i>								
Roof								
Modified Bitumen	100%	Now	\$85,500	2039	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Upper Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lower Roof Over Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Limited View Due To Snow</i>								
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**  
**RESCUE 2 (OLD ENGINE CO. 234)**

**Asset # : 13228**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	55%	Now	\$6,900	LIFE	**	5	\$7,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	4%			2038	**	5	\$200	
Quarry Tile	3%			2042	**	5	\$300	
Vinyl Tile	30%	Now	\$15,500	2039	**	3	\$700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Second Floor</i>								
Wood	8%	Now	\$16,000	2069	**	5	\$400	
<i>Deflection Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Stair To 2nd Floor</i>								
<i>Deteriorated Finish, Extent : Light, Area Affected : 100%</i>								
<i>Location : Stair To 2nd Floor</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair To 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Stair To 2nd Floor</i>								
Interior Walls								
Ceramic Tile	10%			2038	**	5	\$800	
Masonry: Brick	10%	Now	\$6,200	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout Basement, Especially At Column Bases</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout Basement</i>								
Plaster	55%	Now	\$3,500	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Wood	25%			LIFE	**	5	\$15,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Deteriorated Finish, Extent : Light, Area Affected : 50%</i>								
<i>Location : Apparatus Room</i>								
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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**FIRE DEPARTMENT - 057**  
**RESCUE 2 (OLD ENGINE CO. 234)**  
**Asset # : 13228**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2042	**	5	\$600	
<i>Staining/Discoloring, Extent : Light, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Steel	15%			LIFE	**	10	\$1,800	
Plaster	45%	Now	\$3,600	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Wood	30%	Now	\$3,400	LIFE	**	5	\$15,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2039	**			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Corrugated Steel And Plywood Panels Have Been Attached Throughout</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%	4+	\$3,800	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Side Of Building</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : North Side Of Building</i>								
<i>Explanation : Sidewalk Hatch Deteriorating And Deflecting.</i>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Asphalt	60%			2038	**			
Cast in Place Concrete	40%			2042	**			

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2029	\$4,900	5		
<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**  
**RESCUE 2 (OLD ENGINE CO. 234)**  
**Asset # : 13228**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	\$49,900	5	\$100	
Raceway								
Conduit	100%			2029	\$32,000	1		
Panelboards								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	95%			2028	\$37,400	5	\$100	
Wiring								
Thermoplastic	100%			2029	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	75%			2024	\$8,300	10	\$2,700	
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
Fluorescent	20%			2024	\$2,200	10	\$700	
			<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 2nd Floor</i>					
Incandescent	5%			2024	\$1,300	2		
Egress Lighting								
Emergency, Battery	50%			2024	\$2,700	10	\$500	
Exit, Service	50%			2024	\$200	1		
Exterior Lighting								
HID	100%			2024	\$15,300	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2039	**	1		
Conversion Equipment								
Steam Boiler	100%			2027	\$24,600	1	\$3,900	
			<i>Obsolete Equipment, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 Unit</i>					
Distribution								
Central Plant Steam Piping/Pmp	100%			2029	\$64,300	4	\$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**  
**RESCUE 2 (OLD ENGINE CO. 234)**  
**Asset # : 13228**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Heating</b>								
Terminal Devices								
	Convactor/Radiator	90%			2027	\$18,300	1	\$1,200
	Unit Heater - Steam	10%			2024	\$1,400	4	\$100
<b>Air Conditioning</b>								
Energy Source								
	Electricity	100%			2037	**	1	
Conversion Equipment								
	Window/Wall Unit	40%			2022	\$3,200	1	
	No Component	60%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$700
	No Component	80%						
Exhaust Fans								
	Roof	50%			2034	**	2	\$100
	Wall Unit	50%			2034	**	2	\$100
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%			2039	**	1	
	<i>Other Observation, Extent : Light, Area Affected : 50%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Booster Pump System In Off Position</i>							
Water Heater								
	Gas Fired	100%			2027	\$2,300	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 1 - 74 Gallon Unit</i>							
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2022	\$100	4	\$100
Fixtures								
	Generic	100%						
<b>Fire Suppression</b>								
Chemical System								
	No Component	98%						
	Generic	2%			2027	\$500	1-3	\$100
	<i>Other Observation, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : Kitchen Stove</i>							

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\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 03-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Floors x  
**Block** : 2905 **Lot** : 30 **BIN** : 2817127

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$77,000	
Interior Architecture		\$54,200
<b>Total</b>	<b>\$77,000</b>	<b>\$54,200</b>
Importance Code A	\$77,000	
Importance Code B		\$54,200
<b>Total</b>	<b>\$77,000</b>	<b>\$54,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture				\$9,000
Interior Architecture	\$17,300			
Electrical	\$1,800	\$1,700	\$3,700	\$2,100
Mechanical	\$3,300	\$2,300	\$3,400	\$3,600
<b>Total</b>	<b>\$22,400</b>	<b>\$4,000</b>	<b>\$7,100</b>	<b>\$14,600</b>
Importance Code A	\$1,000	\$1,000	\$1,000	\$10,000
Importance Code B	\$20,100	\$3,100	\$6,100	\$4,600
Importance Code C	\$1,300			
<b>Total</b>	<b>\$22,400</b>	<b>\$4,000</b>	<b>\$7,100</b>	<b>\$14,600</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

## RESCUE 3

Asset # : 14463

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	2%			LIFE	**	5	\$3,400	
Masonry: Brick	40%			LIFE	**	5	\$13,700	
Metal/Glass Curt Wall	3%			LIFE	**	5	\$1,900	
Metal Panel	45%			2053	**	5-10	\$105,900	
Metal Coiling Doors	10%			2044	**	5	\$10,700	
Windows								
Aluminum	100%			2049	**	5	\$1,200	
Parapets								
Cast in Place Concrete	10%			LIFE	**	5	\$2,500	
Metal Panel	5%			2053	**	5	\$500	
Metal Rail	10%			2044	**	5-10	\$4,400	
No Component	75%							
Roof								
IRMA/Protected Membrane	20%			2035	**	10	\$5,200	
Metal, Corrugated	60%			2044	**	1		
Plaza Roof: Stone Panels	10%			2053	**			
Skylight, Metal/Glass	10%			2053	**	10	\$8,700	
Interior								
Floors								
Cast in Place Concrete	85%	4+	\$5,300	LIFE	**	5	\$54,200	
			<i>Worn/Eroded, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Apparatus Room</i>					
Ceramic Tile	3%			2040	**	5	\$900	
Sheet Vinyl/Rubber	2%			2035	**	5	\$900	
Wood	10%	4+	\$9,800	2062	**	5	\$2,700	
			<i>Worn/Eroded, Extent : Light, Area Affected : 35%</i>					
			<i>Location : Corridors Throughout</i>					
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	**			
			<i>Other Observation, Extent : Light, Area Affected : 65%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Material Is Actually Metal Decking.</i>					
Gypsum Board	5%			LIFE	**	5	\$1,800	
Metal Panel	15%			LIFE	**	5	\$5,300	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**RESCUE 3**  
**Asset # : 14463**

Electrical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2053	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 800 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2053	**	5	\$500	
Raceway								
Conduit	100%			2053	**	1		
Panelboards								
Fused Disc Sw	5%			2049	**	5		
Molded Case Bkrs	95%			2049	**	5	\$500	
Wiring								
Thermoplastic	100%			2053	**	1		
Motor Controllers								
Locally Mounted	100%			2044	**	5	\$100	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2044	**	1	\$6,000	
Generators								
Diesel	100%			2040	**	1	\$7,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated At 250 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2022	\$1,500	5	\$700	
Fuel Storage								
Day Tank	50%			2049	**	5	\$1,800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 100 Gallon Rated Capacity</i>								
Main Tank	50%			2062	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 3000 Gallon Rated Capacity</i>								
<b>Lighting</b>								
Interior Lighting								
Fluorescent	95%			2035	**	10	\$17,000	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	5%			2035	**	10	\$900	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**RESCUE 3**  
**Asset # : 14463**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Lighting**

## Egress Lighting

Emergency, Service

50%

2035

\*\*

1

Exit, LED

50%

2062

\*\*

1

## Exterior Lighting

Fluorescent

20%

2035

\*\*

10

\$400

*Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%**Location : Outside*

No Component

80%

**Alarm**

## Fire/Smoke Detection

No Component

70%

Generic, Digital

30%

2035

\*\*

1-3

\$3,700

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Hallways And Offices**Explanation : Smoke Detectors*

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

**Heating**

## Energy Source

Natural Gas

100%

2053

\*\*

1

## Conversion Equipment

Furnace

35%

2035

\*\*

1

\$3,400

*Other Observation, Extent : Light, Area Affected : 35%**Location : Roof**Explanation : 2 Rtu Package Units*

Hot Water Boiler

65%

2040

\*\*

1

\$6,300

*Other Observation, Extent : Light, Area Affected : 65%**Location : Basement**Explanation : 1 Boilers*

## Distribution

Hot Wtr Piping/Pump

65%

Now

\$900

2049

\*\*

4

\$600

*Malfunctioning, Extent : Moderate, Area Affected : 5%**Location : Bms System*

No Component

35%

## Terminal Devices

Convactor/Radiator

25%

2044

\*\*

1

\$1,600

Unit Heater - Steam

40%

2035

\*\*

4

\$700

No Component

35%

**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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**FIRE DEPARTMENT - 057**  
**RESCUE 3**  
**Asset # : 14463**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	50%			2035	**	2	\$600
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Package Units. Refrigerant R-410a</i>								
	No Component	50%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$10,900
Exhaust Fans								
	Interior	50%			2035	**	2	\$300
	Roof	50%			2035	**	2	\$300
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%			2053	**	1	
Water Heater								
	Gas Fired	100%			2026	\$11,400	2	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units About 125 Gallons Each</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sewage Ejector(s)								
	Electric	100%			2035	**	4	\$800
Backflow Preventer								
	Generic	100%			2035	**	1	\$1,200
Fixtures								
	Generic	100%						
<b>Fire Suppression</b>								
Sprinkler								
	No Component	20%						
	Generic	80%			2053	**	1-2	\$4,400
Chemical System								
	Wet	100%			2026	\$26,700	1-3	\$4,600

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : SPECIAL OPERATIONS COMMAND EMS  
**Address** : 750 MAIN STREET ROOSEVELT ISLAND  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : FIRSSPE.000 / 13229 **Yr Built/Renovated** : 1976 /  
**Area Sq Ft** : 6,656 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 28-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 1373 **Lot** : 1 **BIN** : 1083213

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$203,900	
Interior Architecture	\$67,900	
Electrical	\$67,200	
Mechanical	\$112,700	
<b>Total</b>	<b>\$451,700</b>	
Importance Code A	\$316,600	
Importance Code B	\$135,100	
<b>Total</b>	<b>\$451,700</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$700		\$2,400	
Interior Architecture	\$12,800		\$400	\$400
Electrical	\$53,100	\$500	\$21,600	\$3,000
Mechanical	\$14,300		\$6,400	\$100
<b>Total</b>	<b>\$80,900</b>	<b>\$500</b>	<b>\$30,800</b>	<b>\$3,400</b>
Importance Code A	\$700		\$3,000	
Importance Code B	\$80,200	\$500	\$27,400	\$3,400
Importance Code C			\$400	
<b>Total</b>	<b>\$80,900</b>	<b>\$500</b>	<b>\$30,800</b>	<b>\$3,400</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**  
**SPECIAL OPERATIONS COMMAND EMS**  
**Asset # : 13229**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	70%	Now	\$112,000	LIFE	**	5	\$4,200	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Sides And Rear</i>								
Metal Panel	20%	Now	\$700	2044	**	5	\$3,600	1
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Entrance, West Side</i>								
Wood Overhead Doors	10%			2037	**	5	\$4,800	
Windows								
Aluminum	100%	Now	\$91,900	2049	**	5	\$1,100	
<i>Ptrwt/Balnc Not Funct, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Not Accessible	100%							
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$13,100	
Ceramic Tile	5%	0-2	\$500	2033	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%	0-2	\$700	2037	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	30%	Now	\$10,400	2034	**	3	\$1,100	
<i>Adhesion Failure, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Mezzanine</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**  
**SPECIAL OPERATIONS COMMAND EMS**  
**Asset # : 13229**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Interior

## Interior Walls

Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2027	\$20,300	5	\$700	
Concrete Masonry Unit	50%			LIFE	**	5	\$2,900	
Plywood/Hardboard	5%			LIFE	**			
SGFT/Glazed Masonry	30%			LIFE	**			

## Ceilings

AcousTileConcealSpLn	30%	0-2	\$1,200	2029	\$24,700	5	\$1,900	
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%*

*Location : Throughout*

Exposed Concrete	20%			LIFE	**	5	\$300	
Gypsum Board	10%			LIFE	**	5	\$1,200	
Metal Panel	40%	Now	\$67,900	LIFE	**	5	\$5,000	

*Bent/Warped Elements, Extent : Severe, Area Affected : 60%*

*Location : Throughout Apparatus Room And Lounge*

*Broken/Missing Elements, Extent : Severe, Area Affected : 10%*

*Location : Apparatus Room And Lounge*

*Deformed/Dented, Extent : Severe, Area Affected : 30%*

*Location : Throughout Apparatus Room And Lounge*

*Other Observation, Extent : Severe, Area Affected : 100%*

*Location : Apparatus Room And Lounge*

*Explanation : Ceiling Panels Are At The End Of Their Useful Life*

## Site Pavements

## Public Sidewalk

Cast in Place Concrete	100%			2037	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2044	**	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Basement Service Room*

*Explanation : 2- 400 Amperes Service Switches*

## Transformers

Dry Type	100%			2022	\$16,100	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Basement Service Room*

*Explanation : 1- 225 Kva Unit - Very Noisy*

## Switchgear / Switchboard

Fused Disc Sw	100%			2034	**	5		
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## Raceway

Conduit	100%			2034	**	1		
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## Panelboards

Molded Case Bkrs	100%			2032	**	5	\$200	
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Estimates are rounded to the nearest hundred dollars.

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**FIRE DEPARTMENT - 057**  
**SPECIAL OPERATIONS COMMAND EMS**  
**Asset # : 13229**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Wiring</b>								
Braided Cloth	5%			2023	\$1,400	1		
Thermoplastic	95%			2034	**	1		
<b>Motor Controllers</b>								
Locally Mounted	90%			2029	\$13,200	5		
Motor Control Center	10%			2029	\$1,500	5		
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Meter Room</i>								
<i>Explanation : Ground Connection</i>								
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
Automatic	100%			2022	\$4,900	1	\$2,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Service Room</i>								
<i>Explanation : Zenith Type Switch</i>								
<b>Generators</b>								
Diesel	100%			2020	\$67,200	1	\$2,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rear Generator Room</i>								
<i>Explanation : 225 Kilo-volt-ampere Kohler Unit</i>								
<b>Batteries</b>								
Lead/Acid	100%			2020	\$1,500	5	\$200	
<b>Fuel Storage</b>								
Day Tank	100%			2023	\$500	5	\$1,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 60 Gallon Tank</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	100%			2020	\$18,400	10	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-12 Fixtures Installed</i>								
<b>Egress Lighting</b>								
Exit, Service	100%			2020	\$800	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Main Power Lights</i>								
<b>Exterior Lighting</b>								
HID	100%			2020	\$25,700	10		

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**FIRE DEPARTMENT - 057**  
**SPECIAL OPERATIONS COMMAND EMS**  
**Asset # : 13229**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Heating</b>								
Energy Source								
Electricity	100%			2044	**	1		
Conversion Equipment								
Radiant Heater	100%	Now	\$112,700	2034	**	2	\$2,500	
<i>Not in Service, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floor</i>								
<i>Explanation : 10 Electric Heaters</i>								
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2032	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	10%			2029	\$8,000	2		
Window/Wall Unit	60%	Now	\$8,000	2024	\$8,000	1		
<i>Broken, Extent : Light, Area Affected : 100%</i>								
<i>Location : Offices</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Explanation : Friedrich Window A C Units</i>								
No Component	30%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : Trane Ceiling Cabinet Fan</i>								
No Component	70%							
<b>Exhaust Fans</b>								
Roof	100%			2024	\$10,600	2	\$200	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2034	**	1		
Water Heater								
Electric	100%	Now	\$300	2022	\$5,600	4		
<i>Malfunctioning, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Hot Water Heaters</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>Explanation : (2) Domestic Water Heaters Anguard Co And Turbosandblaster, 120 Gallons Each</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$2,300	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								

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**FIRE DEPARTMENT - 057**  
**SPECIAL OPERATIONS COMMAND EMS**  
**Asset # : 13229**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%	Now	\$1,000	2034	**	4	\$100
			<i>Obsolete Equipment, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
<b>Fixtures</b>								
	Generic	100%						
<b>Fire Suppression</b>								
	Chemical System							
	No Component	90%						
	Generic	10%			2020	\$2,700	1-3	\$400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Fire Extinguishers</i>					

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 13-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 957 **Lot** : 23 **BIN** : 3020193

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$67,400
Interior Architecture	\$85,000	
Electrical	\$33,400	
<b>Total</b>	<b>\$118,400</b>	<b>\$67,400</b>
Importance Code A		\$67,400
Importance Code B	\$33,400	
Importance Code C	\$85,000	
<b>Total</b>	<b>\$118,400</b>	<b>\$67,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$42,100		\$4,600	
Interior Architecture	\$59,300		\$300	\$400
Electrical	\$37,500		\$14,700	\$2,000
Mechanical	\$14,900	\$800	\$3,700	\$4,200
<b>Total</b>	<b>\$153,800</b>	<b>\$800</b>	<b>\$23,300</b>	<b>\$6,600</b>
Importance Code A	\$43,800	\$600	\$5,100	\$600
Importance Code B	\$101,600	\$300	\$18,100	\$6,100
Importance Code C	\$8,300			
<b>Total</b>	<b>\$153,800</b>	<b>\$800</b>	<b>\$23,300</b>	<b>\$6,600</b>



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## FIRE DEPARTMENT - 057

## SQUAD 1

Asset # : 13230

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	78%			LIFE	**	5	\$17,900	
Masonry: Granite	2%			LIFE	**	5	\$300	
Masonry: Limestone	10%			LIFE	**	5	\$1,700	
Metal Panel	2%			2044	**	5-10	\$3,100	
Wood Overhead Doors	8%			2037	**	5	\$9,200	
Windows								
Aluminum	90%			2040	**	5	\$500	
Aluminum	10%	Now	\$2,400	2049	**	5		
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Locker Room</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Locker Room</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$2,700	
Masonry: Brick	80%			LIFE	**	5	\$1,400	
Roof								
Modified Bitumen	90%	Now	\$6,700	2024			\$67,400	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Locker Room</i>								
Skylight, Metal/Glass	10%	Now	\$32,600	2044	**			
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Tv Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Tv Room, 3rd Floor</i>								
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$7,400	
Ceramic Tile	6%			2033	**	5	\$400	
Quarry Tile	5%			2037	**	5	\$600	
Vinyl Tile	22%	Now	\$14,300	2034	**	3	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Wood	22%	Now	\$16,600	2052	**	5	\$1,500	
<i>Deflection Evident, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stair Case</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Stair Case</i>								

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**FIRE DEPARTMENT - 057****SQUAD 1****Asset # : 13230**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	38%	Now	\$40,700	2033	**	5	\$2,400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 1st Floor Staircase Up</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Staircase To Basement</i>								
Masonry: Brick	22%	4+	\$44,300	LIFE	**			
<i>Paint Peeling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout Basement</i>								
Plaster	40%	4+	\$8,300	LIFE	**	5	\$1,500	
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 3rd Floor</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	20%	Now	\$13,600	2044	**	5	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Embossed Metal	20%			LIFE	**	5	\$700	
Exposed Struc: Steel	25%			LIFE	**			
Metal Panel	5%			LIFE	**	5	\$500	
Plaster	30%	0-2	\$6,600	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Next To Pole And 1st Floor Toilet</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Rear Wall</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2029				

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	100%			2024	\$4,900	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
<b>Raceway</b>								
Conduit	95%			2024	\$30,400	1		
Conduit	5%			2044	**	1		

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**FIRE DEPARTMENT - 057****SQUAD 1****Asset # : 13230**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%			2023	\$2,000	5		
Molded Case Bkrs	85%			2023	\$33,400	5	\$100	
Molded Case Bkrs	10%			2040	**	5		
Wiring								
Thermoplastic	90%			2024	\$25,500	1		
Thermoplastic	10%			2044	**	1		
Motor Controllers								
Locally Mounted	100%			2022	\$14,700	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	50%			2024	\$7,900	10	\$2,600	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement And 1st Floor</i>				
				<i>Explanation : T-8 Lamps</i>				
Fluorescent	50%			2020	\$7,900	10	\$2,600	
				<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : 2nd And 3rd Floors</i>				
Egress Lighting								
Emergency, Battery	50%			2020	\$3,900	10	\$700	
Exit, Service	50%			2020	\$300	1		
Exterior Lighting								
HID	100%			2020	\$22,000	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
Conversion Equipment								
Steam Boiler	100%	Now	\$1,800	2037	**	1	\$5,100	
				<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>				
				<i>Location : Boiler Control System</i>				
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Boiler Room</i>				
				<i>Explanation : One Unit</i>				
Distribution								
Central Plant Steam Piping/Pmp	100%			2050	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2037	**	1	\$1,800	

## Air Conditioning

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 1

Asset # : 13230

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2020	\$9,100	1		
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$300	
No Component	90%							
Exhaust Fans								
Roof	10%	Now	\$900	2034	**	2		
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
No Component	90%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2044	**	1		
Water Heater								
Gas Fired	100%			2023	\$3,300	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 74 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Dry	10%	Now	\$2,700	2024	\$2,700	1-3	\$300	
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Obsolete Unit - Kitchen</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Model Rg-2.5g</i>								
No Component	80%							
Generic	10%			2022	\$2,700	1-3	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 15-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 610 **Lot** : 51 **BIN** : 1010686

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture		\$38,000
Interior Architecture		\$123,600
Electrical		\$39,400
<b>Total</b>		<b>\$200,900</b>
Importance Code A		\$38,000
Importance Code B		\$39,400
Importance Code C		\$123,600
<b>Total</b>		<b>\$200,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$15,700		\$8,200	
Interior Architecture	\$30,100	\$3,000		\$700
Electrical	\$100	\$24,900		
Mechanical	\$18,200	\$1,000	\$900	\$1,000
Site Pavements	\$600			
<b>Total</b>	<b>\$64,800</b>	<b>\$28,900</b>	<b>\$9,100</b>	<b>\$1,700</b>
Importance Code A	\$16,400	\$700	\$8,900	\$700
Importance Code B	\$47,700	\$28,200	\$200	\$1,000
Importance Code C	\$600			
<b>Total</b>	<b>\$64,800</b>	<b>\$28,900</b>	<b>\$9,100</b>	<b>\$1,700</b>



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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 18**  
**Asset # : 14075**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
Exterior Walls								
Cast Iron	5%			LIFE	**			
<i>Deteriorated Finish, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Floor Front Of Building</i>								
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$38,000	
Masonry: Brick	70%			LIFE	**	5	\$22,700	
Masonry: Granite	5%			LIFE	**	5	\$1,200	
Metal Sect. OHD	5%			2039	**	5	\$5,100	
<b>Windows</b>								
Wood	100%			2042	**	5	\$16,300	
<b>Parapets</b>								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$2,200	
Masonry: Brick	80%			LIFE	**	5	\$1,100	
<b>Roof</b>								
Asphalt Shingle	10%			2035	**	10	\$100	
Modified Bitumen	90%	Now	\$15,700	2031	**			
<i>Drains Clogged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<b>Interior</b>								
<b>Floors</b>								
Ceramic Tile	15%			2029	\$31,600	5	\$1,600	
Quarry Tile	5%	2-4	\$1,600	2039	**	5	\$400	
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	55%	Now	\$15,200	2036	**	3	\$2,200	
<i>Uneven Surface, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Second Floor</i>								
Wood	25%			2061	**	5	\$5,000	
<b>Interior Walls</b>								
Ceramic Tile	30%			2029	\$123,600	5	\$4,400	
Gypsum Board	20%			LIFE	**	5	\$1,800	
Masonry: Brick	50%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2031	**	5	\$1,100	
Embossed Metal	35%	2-4	\$13,400	LIFE	**	5	\$1,700	
<i>Deformed/Dented, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout Apparatus Room</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout Apparatus Room</i>								
Exposed Struc: Wood	40%			LIFE	**			
Gypsum Board	15%			LIFE	**	5	\$2,000	
<b>Site Pavements</b>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	100%			2031	**			

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 18****Asset # : 14075**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Site Pavements

## Parking/Driveway

Cast in Place Concrete	100%	0-2	\$600	2039	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Front Apron*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2026	\$4,900	5		
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*Enclosure Corroded, Extent : Severe, Area Affected : 20%**Location : Basement Service End Box**Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement Rear.**Explanation : 1-200 Amperes Switch*

## Raceway

Conduit	70%			2026	\$22,400	1		
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Conduit	30%			2036	**	1		
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## Panelboards

Molded Case Bkrs	100%			2025	\$39,400	5	\$200	
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## Wiring

Thermoplastic	30%			2036	**	1		
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Thermoplastic	70%			2026	\$19,800	1		
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## Motor Controllers

Locally Mounted	100%			2031	**	5		
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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## Lighting

## Interior Lighting

Fluorescent	95%			2021	\$18,700	10	\$6,200	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Throughout*

Incandescent	5%			2026	\$2,300	2		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : 3rd Floor**Explanation : Lounge Area*

## Exterior Lighting

Incandescent	30%			2026	\$7,000	2		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : In Front And Rear**Explanation : Controlled Via Timer*

No Component	70%							
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**FIRE DEPARTMENT - 057**  
**SQUAD 18**  
**Asset # : 14075**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2046	**	1		
Conversion Equipment								
Steam Boiler	100%			2039	**	1	\$7,000	
			<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Basement</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Mechanical Equipment Room</i>					
			<i>Explanation : Central Heating Plant</i>					
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$500	
Terminal Devices								
Convactor/Radiator	95%			2031	**	1	\$2,200	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Through 3rd Floors</i>					
			<i>Explanation : One Pipe Steam System</i>					
Unit Heater - Steam	5%	Now	\$1,200	2036	**	4		
			<i>Broken, Extent : Light, Area Affected : 30%</i>					
			<i>Location : 1st Floor</i>					
Air Conditioning								
Energy Source								
Electricity	50%			2034	**	1		
No Component	50%							
Conversion Equipment								
Interior Pkg Unit - Cooling	5%	Now	\$12,700	2031	**	2		
			<i>Abandoned in Place, Extent : Light, Area Affected : 20%</i>					
			<i>Location : 3rd Floor</i>					
Window/Wall Unit	50%	0-2	\$2,100	2025	\$7,100	1		
			<i>Other Observation, Extent : Light, Area Affected : 30%</i>					
			<i>Location : 1st, 2nd And 3rd Floors</i>					
			<i>Explanation : 30 Percent Failure Of Units</i>					
No Component	45%							
Ventilation								
Exhaust Fans								
Roof	100%			2031	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2036	**	1		
Water Heater								
Gas Fired	100%			2024	\$4,100	2	\$100	

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**FIRE DEPARTMENT - 057**  
**SQUAD 18**  
**Asset # : 14075**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping Cast Iron	100%	4+	\$1,000	LIFE	**	1	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Recent Repair Made In Response To Leaking Was Not A Full Replacement And Future Leakage Is Anticipated</i>								
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Non-Submersible	100%	4+	\$100	2026	\$1,000	4	\$200
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Operable</i>								
	Fixtures Generic	100%						
Fire Suppression								
	Fire Pump Not Accessible	100%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

Asset Name : SQUAD 252  
 Address : 617 CENTRAL AVENUE @ DECATUR ST  
 Borough : BROOKLYN Agency's Number : N/A  
 Program / Asset # : FIRSECO.252 / 13142 Yr Built/Renovated : 1899 / 2012  
 Area Sq Ft : 4,488 Project Type : FIRE DEPARTMENT  
 Date of Survey : 13-Jun-2018 Landmark Status : EXTERIOR LANDMARK  
 Areas Surveyed : Basement, Roof, Floors 1,2,3  
 Block : 3429 Lot : 3 BIN : 3079480

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Electrical		\$58,700
<b>Total</b>		<b>\$58,700</b>
Importance Code B		\$58,700
<b>Total</b>		<b>\$58,700</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$84,500		\$1,400	
Interior Architecture	\$34,300	\$300	\$300	\$800
Electrical	\$500	\$800	\$300	\$300
Mechanical	\$2,900	\$600	\$700	\$800
Site Enclosure	\$1,300			
<b>Total</b>	<b>\$123,600</b>	<b>\$1,700</b>	<b>\$2,700</b>	<b>\$1,900</b>
Importance Code A	\$85,000	\$400	\$1,800	\$400
Importance Code B	\$34,000	\$1,300	\$800	\$1,400
Importance Code C	\$4,600		\$100	\$100
<b>Total</b>	<b>\$123,600</b>	<b>\$1,700</b>	<b>\$2,700</b>	<b>\$1,900</b>



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 Estimates are rounded to the nearest hundred dollars.  
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
 \*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**SQUAD 252**  
**Asset # : 13142**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	2%			2049	**	10		
Masonry: Brick	73%	Now	\$20,000	LIFE	**	5	\$3,000	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Front Facade</i>								
Masonry: Brownstone	10%	0-2	\$4,300	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Facade</i>								
Masonry: Sandstone	10%	0-2	\$15,600	LIFE	**	5	\$300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Facade</i>								
Wood Overhead Doors	5%			2042	**	5	\$1,000	
Windows								
Aluminum	60%			2045	**	5	\$100	
Wood	40%	0-2	\$1,100	2045	**	5	\$400	
<i>Air Infiltration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5-10	\$3,000	
Cast Stone/Terra Cotta	15%			LIFE	**	5-10	\$9,100	
Masonry: Brick	80%	Now	\$21,900	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	5%	Now	\$900	2044	**			
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : 3rd Floor Toilet</i>								
Metal Panel	10%			2042	**	10	\$800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Metal Is Formed And Colored To Replicate Clay Tiles</i>								
Modified Bitumen	85%	0-2	\$11,800	2034	**			
<i>Blisters, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

Interior

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**FIRE DEPARTMENT - 057**  
**SQUAD 252**  
**Asset # : 13142**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Carpet	5%	Now	\$900	2028	\$4,500	3	\$500	
	<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>							
	<i>Location : Throughout</i>							
Cast in Place Concrete	30%			LIFE	**	5	\$8,300	
Ceramic Tile	5%			2038	**	5	\$300	
Quarry Tile	5%			2042	**	5	\$500	
Vinyl Tile	50%	Now	\$1,500	2034	**	3	\$1,200	
	<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : 2nd Floor</i>							
Wood	5%	0-2	\$5,800	2057	**	5	\$300	
	<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Throughout</i>							
Interior Walls								
Ceramic Tile	5%			2038	**	5	\$100	
Ceramic Tile	5%			2042	**	5	\$100	
Gypsum Board	5%			LIFE	**	5-10	\$200	
Masonry: Brick	30%			LIFE	**	10	\$300	
	<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Basement</i>							
Plaster	20%	0-2	\$500	LIFE	**	5	\$200	
	<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Throughout</i>							
SGFT/Glazed Masonry	30%	0-2	\$1,800	LIFE	**			
	<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Throughout</i>							
Wood	5%			LIFE	**	5	\$1,100	
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$100	2034	**	5	\$200	
	<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Toilets</i>							
AcousTileSusp.Lay-In	10%			2046	**	5	\$600	
	<i>Recent Installation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
Embossed Metal	45%	Now	\$14,000	LIFE	**	5	\$1,300	
	<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Throughout</i>							
	<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : 2nd Floor</i>							
Exposed Struc: Steel	25%			LIFE	**	10	\$3,200	
	<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
Plaster	15%	0-2	\$1,400	LIFE	**	5	\$600	
	<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Throughout</i>							

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\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**SQUAD 252**  
**Asset # : 13142**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Site Enclosure								
Fence/Gates								
Chain Link	50%			2049	**			
Wood	50%	0-2	\$1,300	2030	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Free Standing Walls								
Cast in Place Concrete	100%			2064	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	**			
Parking/Driveway								
Asphalt	80%			2038	**			
Cast in Place Concrete	20%			2042	**			
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2029	\$5,400	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	\$54,400	5	\$100	
Raceway								
Conduit	90%			2029	\$31,400	1		
Conduit	10%			2049	**	1		
Panelboards								
Molded Case Bkrs	10%			2028	\$4,300	5		
Molded Case Bkrs	20%			2037	**	5		
Molded Case Bkrs	70%			2051	**	5	\$100	
Wiring								
Thermoplastic	90%			2029	\$27,800	1		
Thermoplastic	10%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2027	\$16,000	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	**	1	\$1,400	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

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**FIRE DEPARTMENT - 057**  
**SQUAD 252**  
**Asset # : 13142**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Stand-by Power</b>								
<b>Generators</b>								
Diesel	100%			2042	**	1	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outdoor Enclosure</i>								
<i>Explanation : One 62 Kilowatt Generator</i>								
<b>Batteries</b>								
Lead/Acid	100%			2024	\$1,700	5	\$200	
<b>Fuel Storage</b>								
Day Tank	100%			2051	**	5	\$800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outdoor At Generator</i>								
<i>Explanation : One 125 Gallons</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	85%			2034	**	10	\$3,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	10%			2034	**	10	\$400	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : First Floor Lounge Area</i>								
LED	5%			2037	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor Locker Room</i>								
<i>Explanation : LED Lighting</i>								
<b>Egress Lighting</b>								
Emergency, Service	50%			2034	**	1		
Emergency, Battery	20%			2037	**	10	\$200	
Exit, Service	30%			2029	\$200	1		
<b>Exterior Lighting</b>								
HID	100%			2037	**	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	100%			2049	**	1		
<b>Conversion Equipment</b>								
Steam Boiler	100%			2042	**	1	\$4,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
<b>Distribution</b>								
Steam Piping/Pump	100%			2049	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**SQUAD 252**  
**Asset # : 13142**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$1,500	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Split Unit	20%			2037	**			
Split Unit	2%	Now	\$2,000	2039	**			
		<i>Broken, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
Window/Wall Unit	60%			2024	\$5,800	1		
Window/Wall Unit	10%			2027	\$1,000	1		
No Component	8%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$800	
No Component	80%							
Exhaust Fans								
Roof	20%			2034	**	2		
No Component	80%							
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2049	**	1		
		<i>No Water Meter, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Water Heater								
Gas Fired	100%			2027	\$2,900	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 74 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2023	\$200	4	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Sets</i>						
Fixtures								
Generic	100%							
<b>Fire Suppression</b>								

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**FIRE DEPARTMENT - 057**  
**SQUAD 252**  
**Asset # : 13142**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>			
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Fire Suppression	Chemical System								
	No Component	98%							
	Generic	2%			2027	\$600	1-3	\$100	
<i>Other Observation, Extent : Light, Area Affected : 2%</i> <i>Location : 1st Floor Kitchen</i> <i>Explanation : Over Stove</i>									

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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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : SQUAD 270  
**Address** : 91-45 121ST STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : FIRSSQU.270 / 14076 **Yr Built/Renovated** : 1913 / 2016  
**Area Sq Ft** : 16,052 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 15-Nov-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3  
**Block** : 9375 **Lot** : 7 **BIN** : 4196913

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$207,700	\$38,100
Interior Architecture	\$286,500	
Electrical	\$4,400	\$101,700
Mechanical		\$103,900
<b>Total</b>	<b>\$498,600</b>	<b>\$243,600</b>
Importance Code A	\$207,700	\$38,100
Importance Code B	\$290,900	\$205,500
<b>Total</b>	<b>\$498,600</b>	<b>\$243,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$55,400	\$1,600		\$1,800
Interior Architecture	\$84,000	\$500	\$1,000	\$4,900
Electrical	\$2,700	\$4,800	\$2,800	\$4,600
Mechanical	\$2,600	\$8,500	\$4,000	\$34,600
<b>Total</b>	<b>\$144,700</b>	<b>\$15,500</b>	<b>\$7,800</b>	<b>\$45,900</b>
Importance Code A	\$56,800	\$3,200	\$1,400	\$3,600
Importance Code B	\$48,400	\$12,300	\$5,900	\$42,300
Importance Code C	\$39,400		\$400	
<b>Total</b>	<b>\$144,700</b>	<b>\$15,500</b>	<b>\$7,800</b>	<b>\$45,900</b>



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**FIRE DEPARTMENT - 057**  
**SQUAD 270**  
**Asset # : 14076**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	82%	Now	\$207,700	LIFE	**	5	\$13,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : North And South And East Facades, Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 75%</i>								
<i>Location : North And South And East Facades, Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : North And South And East Facades, Throughout</i>								
Masonry: Granite	5%	Now	\$9,900	LIFE	**	5	\$600	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : West Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
Masonry: Limestone	5%	Now	\$4,600	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : West Facade</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : West Facades</i>								
Wood Overhead Doors	4%			2048	**	5	\$3,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : West facade</i>								
Wood Overhead Doors	4%			2041	**	5	\$3,300	
Windows								
Aluminum	100%	Now	\$13,500	2044	**	5	\$1,600	
<i>Air Infiltration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	18%	Now	\$16,000	LIFE	**	5	\$300	
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Set Back Roof, Back Of Building.</i>								
Metal Panel	5%			2048	**	5	\$300	
Metal Panel	2%			2038	**	5	\$100	
Not Accessible	70%							
Not Accessible	5%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 3rd Floor Roof</i>								
<i>Explanation : No Access To 3rd Floor Roof.</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**SQUAD 270**  
**Asset # : 14076**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	20%	Now	\$11,400	2028	\$38,100			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Set Back Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Set Back Roof</i>								
Not Accessible	80%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 3rd Floor Roof, Main Roof</i>								
<i>Explanation : No Access To 3rd Floor Roof.</i>								
Interior								
Floors								
Cast in Place Concrete	35%	Now	\$89,300	LIFE	**	5	\$18,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Apparatus Floor</i>								
<i>Deflection Evident, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2037	**	5	\$1,200	
Quarry Tile	2%			2048	**	5	\$700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Division 13</i>								
Quarry Tile	3%			2041	**	5	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Squad 270</i>								
<i>Explanation : 1st Floor Squad 270</i>								
Vinyl Tile	15%	Now	\$31,300	2038	**	3	\$1,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : First And Third Floor, Distric Offic 13.</i>								
Vinyl Tile	15%			2038	**	3	\$1,800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floor Division 13</i>								
Under Construction	25%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 1st And 2nd Floor Squad 270</i>								
<i>Explanation : 1st And 2nd Floor Squad 270</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**SQUAD 270**  
**Asset # : 14076**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%			2037	**	5	\$800	
Concrete Masonry Unit	5%	Now	\$900	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basment</i>								
Gypsum Board	25%			LIFE	**	5	\$2,400	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floors Division 13</i>								
Masonry: Brick	15%	Now	\$28,700	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basment</i>								
Plaster	25%	Now	\$9,800	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : First And Third Floor, Distric Offic 13, 1st Floor Squad 270</i>								
Under Construction	25%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 1st And 2nd Floor Squad 270</i>								
<i>Explanation : 1st And 2nd Floor Squad 270</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2033	**	5	\$1,200	
AcousTileSusp.Lay-In	25%			2048	**	5	\$6,000	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floor Division 13</i>								
Exposed Concrete	25%	Now	\$197,200	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Temporary Support Present</i>								
Plaster	20%	Now	\$12,900	LIFE	**	5	\$3,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor, Distric Offic 13</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor, Distric Offic 13</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Third Floor, Distric Offic 13</i>								
Under Construction	25%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 1st And 2nd Floor Squad 270</i>								
<i>Explanation : 1st And 2nd Floor Squad 270</i>								
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2033	**			

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**FIRE DEPARTMENT - 057**  
**SQUAD 270**  
**Asset # : 14076**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
Service Equipment								
	Molded Case Bkrs	100%			2028	\$4,900	5	\$400
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement/ Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 500 Amperes.</i>								
<hr/>								
Switchgear / Switchboard								
	Fused Disc Sw	100%			2028	\$49,900	5	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement / Electrical Room</i>								
<i>Explanation : 1 Vertical Section Only</i>								
<hr/>								
Raceway								
	Conduit	70%			2028	\$22,400	1	
	Conduit	30%			2054	**	1	
<hr/>								
Panelboards								
	Fused Disc Sw	20%			2027	\$7,900	5	\$100
	Molded Case Bkrs	50%			2027	\$19,700	5	\$200
	Molded Case Bkrs	30%			2050	**	5	\$100
<hr/>								
Wiring								
	Thermoplastic	70%			2028	\$19,800	1	
	Thermoplastic	30%			2054	**	1	
<hr/>								
Motor Controllers								
	Locally Mounted	100%			2026	\$14,700	5	\$100
<hr/>								
<b>Ground</b>								
Grounding Devices								
	Not Accessible	100%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : It Is Assumed That The Electrical System Of This Building Is Grounded As Per Code Requirement</i>								
<hr/>								
<b>Stand-by Power</b>								
Transfer Switches								
	Automatic	100%			2033	**	1	\$4,900
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Available Nameplate Ratings</i>								
<hr/>								
Generators								
	Diesel	100%			2031	**	1	\$6,200
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated At 60 Kw</i>								
<hr/>								
Batteries								
	Lead/Acid	100%			2021	\$1,500	5	\$600
<hr/>								
Fuel Storage								
	Main Tank	100%			2043	**	5	\$500
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 50 Gallons Rated Capacity</i>								

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**FIRE DEPARTMENT - 057**  
**SQUAD 270**  
**Asset # : 14076**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	70%			2036	**	10	\$10,300	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement, 1st, 2nd, 3rd Floor Division Office</i>						
Fluorescent	10%			2023	\$4,400	10	\$1,500	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 3rd Floor District Office</i>						
Fluorescent	5%			2028	\$2,200	10	\$700	
		<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 1st Floor Kitchen And Lounge</i>						
LED	15%			2036	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd Floor Squad 270</i>						
		<i>Explanation : LED Light Fixtures</i>						
<b>Egress Lighting</b>								
Emergency, Battery	50%			2036	**	10	\$1,900	
Exit, Service	50%			2036	**	1		
<b>Exterior Lighting</b>								
HID	50%			2028	\$30,900	10		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Front Of The Building</i>						
		<i>Explanation : 2- HID Fixtures</i>						
LED	50%			2036	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Front Of The Building</i>						
		<i>Explanation : 2 LED Fixtures</i>						
<b>Alarm</b>								
<b>Security System</b>								
Generic	100%			2028	\$49,600	1	\$6,000	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Front Of The Building</i>						
		<i>Explanation : 4 CCTV Surveillance Cameras</i>						
<b>Fire/Smoke Detection</b>								
Generic, Analog	100%			2036	**	1-3	\$9,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 3rd And 2nd Floor</i>						
		<i>Explanation : Smoke Detectors Only</i>						

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
<b>Energy Source</b>								
Electricity	10%			2038	**	1		
Natural Gas	90%			2038	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**SQUAD 270**  
**Asset # : 14076**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Heating								
	Conversion Equipment							
	Radiant Heater	10%			2033	**	2	\$700
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Garage Area</i>						
		<i>Explanation : 2 Units</i>						
	Steam Boiler	90%			2045	**	1	\$14,300
		<i>Other Observation, Extent : Light, Area Affected : 90%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Good Condition</i>						
Distribution								
	Central Plant Steam Piping/Pmp	40%			2028	\$103,900	4	\$500
	No Component	10%						
	Under Construction	50%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Half Of The Building Is Under Renovation</i>						
Terminal Devices								
	Convactor/Radiator	40%			2026	\$32,900	1	\$2,100
	No Component	10%						
	Under Construction	50%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Half Of The Building Is Under Renovation</i>						
Air Conditioning								
	Energy Source							
	Electricity	100%			2036	**	1	
Conversion Equipment								
	Exterior Pkg Unit - Cooling	20%			2033	**	2	\$200
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						
		<i>Explanation : Serves Half Of The 2nd Floor Only</i>						
	Window/Wall Unit	20%			2021	\$6,400	1	
	No Component	10%						
	Under Construction	50%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : 2nd Floor</i>						
		<i>Explanation : 2nd Floor Of The Building Is Under Renovation</i>						

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**FIRE DEPARTMENT - 057**  
**SQUAD 270**  
**Asset # : 14076**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Air Conditioning</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	20%			LIFE	* *	2	\$4,200
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						
		<i>Explanation : Serves Half Of The 2nd Floor Only</i>						
	Ductwork/Diffusers	20%			LIFE	* *	2	\$4,200
		<i>Recent Installation, Extent : Light, Area Affected : 20%</i>						
		<i>Location : 2nd Floor</i>						
	No Component	60%						
<b>Terminal Devices</b>								
	No Component	80%						
	Under Construction	20%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Half Of The Building Is Under Renovation</i>						
<b>Heat Rejection</b>								
	No Component	80%						
	Under Construction	20%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Half Of The Building Is Under Renovation</i>						
<b>Ventilation</b>								
<b>Distribution</b>								
	No Component	50%						
	Under Construction	50%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Half Of The Building Is Under Renovation</i>						
<b>Exhaust Fans</b>								
	Wall Unit	15%			2023	\$800	2	\$100
	No Component	35%						
	Under Construction	50%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Half Of The Building Is Under Renovation</i>						
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	50%			2038	* *	1	
		<i>No Water Meter, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
	Under Construction	50%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Half Of The Building Is Under Renovation</i>						

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**FIRE DEPARTMENT - 057**  
**SQUAD 270**  
**Asset # : 14076**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Plumbing</b>								
Water Heater Gas Fired	50%			2023	\$4,700	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Under Construction	50%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Half Of The Building Is Under Renovation</i>						
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Non-Submersible	100%			2028	\$2,300	4	\$500	
<b>Fixtures</b>								
Under Construction	50%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Half Of The Building Is Under Renovation</i>						
Generic	50%							
<b>Fire Suppression</b>								
Chemical System Generic	100%			2023	\$26,700	1-3	\$4,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor Kitchen</i>						
		<i>Explanation : 1st Floor Kitchen</i>						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 05-May-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 2395 **Lot** : 4 **BIN** : 4055348

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$154,000	
Interior Architecture	\$96,200	
<b>Total</b>	<b>\$250,200</b>	
Importance Code A	\$154,000	
Importance Code B	\$96,200	
<b>Total</b>	<b>\$250,200</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$81,900		\$2,500	
Interior Architecture	\$62,600	\$600	\$2,100	\$500
Electrical	\$5,100		\$100	
Mechanical	\$22,000	\$1,200	\$1,600	\$1,200
Site Enclosure	\$22,600			
<b>Total</b>	<b>\$194,200</b>	<b>\$1,800</b>	<b>\$6,200</b>	<b>\$1,800</b>
Importance Code A	\$89,800	\$900	\$3,300	\$900
Importance Code B	\$41,600	\$1,000	\$2,800	\$900
Importance Code C	\$62,800			
<b>Total</b>	<b>\$194,200</b>	<b>\$1,800</b>	<b>\$6,200</b>	<b>\$1,800</b>



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**FIRE DEPARTMENT - 057**  
**SQUAD 288 HAZARDOUS MATERIAL UNIT**  
**Asset # : 13174**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Copper/Terne	2%	Now	\$34,600	2062	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Cornice At Front</i>								
Masonry: Brick	85%	Now	\$10,300	LIFE	**	5	\$16,800	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : East Rear Corner And Side</i>								
Masonry: Granite	3%			LIFE	**	5	\$400	
Masonry: Limestone	5%	Now	\$5,500	LIFE	**	5	\$700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	5%			2032	**	5	\$4,900	
Windows								
Aluminum	100%	2-4	\$19,000	2043	**	5	\$1,100	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,900	
Masonry: Brick	85%	2-4	\$12,500	LIFE	**	5	\$2,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Parapet</i>								
Masonry: Limestone	5%			LIFE	**	5	\$200	
Roof								
Modified Bitumen	100%	0-2	\$154,000	2037	**			
<i>Alligatoring, Extent : Light, Area Affected : 25%</i>								
<i>Location : At Seams</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : All Pitchpockets Are Failed</i>								
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Caulk At Flashing</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$37,800	LIFE	**	5	\$13,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Steel Columns Shoring Up Apparatus Room Floor From Basement</i>								
Ceramic Tile	10%			2036	**	5	\$1,200	
Quarry Tile	5%			2040	**	5	\$900	
Vinyl Tile	35%	0-2	\$18,000	2032	**	3	\$1,600	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								

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**FIRE DEPARTMENT - 057**  
**SQUAD 288 HAZARDOUS MATERIAL UNIT**  
**Asset # : 13174**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	5%	Now	\$15,800	LIFE		**		
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Wall Near Electrical Panels</i>								
Ceramic Tile	40%	Now	\$9,200	2036		**	\$3,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Apparatus Room</i>								
Gypsum Board	15%			LIFE		**	\$1,500	
Masonry: Brick	15%	Now	\$9,700	LIFE		**		
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	25%	Now	\$6,700	LIFE		**	\$1,200	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 70%</i>								
<i>Location : 2nd Floor Stair</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : 2nd Floor Stair</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : At Windows Throughout</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	35%			2032		**	\$4,200	
Exposed Concrete	30%	Now	\$58,400	LIFE		**	\$600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement Ceiling</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Below Watch Area</i>								
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Below Watch Area And Basement</i>								
<i>Explanation : Large Chunks Of Concrete Have Fallen, Exposing Reinforcing</i>								
Plaster	35%	Now	\$2,800	LIFE		**	\$2,600	
<i>Paint Peeling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : 2nd Floor Stair</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor Stair, Scuttle To Roof</i>								
<b>Site Enclosure</b>								
<b>Free Standing Walls</b>								
Masonry: Brick	100%	2-4	\$21,400	2047		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Retaining Walls</b>								
Cast in Place Concrete	100%	0-2	\$1,200	2062		**		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Steel Post Struts To Brace Retaining Wall Are Rusted/ Failing</i>								
<b>Site Pavements</b>								

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**FIRE DEPARTMENT - 057**  
**SQUAD 288 HAZARDOUS MATERIAL UNIT**  
**Asset # : 13174**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Site Pavements

## On-Site Walkways

Cast in Place Concrete	100%			2040	**			
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## Parking/Driveway

Cast in Place Concrete	100%			2040	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

## Under 600 Volts

## Service Equipment

Molded Case Bkrs	100%	0-2	\$2,500	2053	**	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Service Room**Explanation : 200 Amperes 3 Phase - Main Circuit Breaker In Main Distribution Panel Only*

## Raceway

Conduit	100%			2037	**	1		
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## Panelboards

Molded Case Bkrs	100%			2035	**	5	\$200	
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## Wiring

Thermoplastic	100%			2037	**	1		
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## Motor Controllers

Locally Mounted	100%			2025	\$14,700	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Boiler Room And 1st Floor**Explanation : Controls For Heating System And 2 Overhead Doors*

## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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## Lighting

## Interior Lighting

Fluorescent	95%			2027	\$23,200	10	\$7,700	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 70%**Location : Basement And 1st Floor*

Incandescent	5%			2027	\$2,900	2		
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*Other Observation, Extent : Light, Area Affected : 20%**Location : 2nd Floor Conference Room**Explanation : Incandescent Lamps*

## Egress Lighting

Exit, Service	30%			2027	\$300	1		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : 2nd Floor**Explanation : Exit Fixture Observed*

No Component	70%							
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## Exterior Lighting

HID	100%			2032	**	10		
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**FIRE DEPARTMENT - 057**  
**SQUAD 288 HAZARDOUS MATERIAL UNIT**  
**Asset # : 13174**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

Lightning Protection								
Arresters/Cabling								
Generic	100%			2055	**	5	\$300	

Alarm								
Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%	0-2	\$2,300	2027	\$4,700	1-3	\$200	
<i>Devices Missing, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

Heating								
Energy Source								
Natural Gas	100%			2047	**	1		

Conversion Equipment								
Steam Boiler	100%	4+	\$5,400	2040	**	1	\$7,800	
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Boiler</i>								
<i>Explanation : Jacket Rusted Out Due To Leak Above. Chimney Hatch Has Also Rusted Off Hinges.</i>								

Distribution								
Central Plant Steam Piping/Pmp	100%	4+	\$7,100	2037	**	4	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Piping Around Boiler</i>								
<i>Explanation : Evidence Of Steam Leak Above Boiler</i>								

Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$2,800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Original Equipment. Showing Signs Of Age.</i>								

Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		

Conversion Equipment								
Window/Wall Unit	50%			2020	\$8,800	1		
No Component	50%							

Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,500	
No Component	50%							
Exhaust Fans								
Interior	50%			2027	\$15,000	2	\$100	
Roof	50%			2032	**	2	\$100	

**Plumbing**

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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**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
H/C Water Piping	Brass/Copper	100%			2037	**	1	
Water Heater	Gas Fired	100%			2025	\$5,100	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping	Cast Iron	10%			LIFE	**	1	
<i>Recent Replace Evident, Extent : Light, Area Affected : 40%</i>								
<i>Location : Boiler Room</i>								
	Cast Iron	40%			LIFE	**	1	
<i>Recent Replace Evident, Extent : Light, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Hub Cast Iron Piping</i>								
	Cast Iron	50%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Submersible	100%			2020	\$300	4	\$300
Backflow Preventer	No Component	95%						
	Generic	5%			2032	**	1	
Fixtures	Generic	100%						
<b>Fire Suppression</b>								
Chemical System	Wet	5%			2025	\$1,300	1-3	\$200
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Over Range</i>								
	No Component	95%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : SQUAD 41  
**Address** : 330 EAST 150th STREET  
**Borough** : BRONX  
**Program / Asset #** : FIRSECO.041 / 13029  
**Area Sq Ft** : 7,125  
**Date of Survey** : 21-Mar-2016  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3,4  
**Block** : 2331      **Lot** : 33      **BIN** : 2000930  
**Agency's Number** : N/A  
**Yr Built/Renovated** : 1903 / 2003  
**Project Type** : FIRE DEPARTMENT  
**Landmark Status** : HISTORICAL LANDMARK DISTRICT

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$100,700
<b>Total</b>		<b>\$100,700</b>
Importance Code A		\$100,700
<b>Total</b>		<b>\$100,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$23,600			
Interior Architecture	\$37,600	\$100	\$300	\$500
Electrical	\$100	\$100	\$11,700	\$100
Mechanical	\$16,100	\$1,500	\$5,700	\$1,000
Site Pavements	\$13,900			
<b>Total</b>	<b>\$91,200</b>	<b>\$1,700</b>	<b>\$17,600</b>	<b>\$1,600</b>
Importance Code A	\$24,300	\$700	\$700	\$700
Importance Code B	\$29,800	\$1,000	\$16,900	\$900
Importance Code C	\$37,100			
<b>Total</b>	<b>\$91,200</b>	<b>\$1,700</b>	<b>\$17,600</b>	<b>\$1,600</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**  
**SQUAD 41**  
**Asset # : 13029**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$25,400	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 3%</i>								
<i>Location : South Facade</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : South Facade</i>								
Masonry: Granite	3%			LIFE	**	5	\$700	
Masonry: Limestone	12%			LIFE	**	5	\$2,900	
Metal Sect. OHD	5%			2040	**	5	\$5,000	
Windows								
Aluminum	100%	4+	\$1,000	2043	**	5	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Interior Wood Trim</i>								
<i>Explanation : Dry Rot</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,900	
Masonry: Brick	85%			LIFE	**	5	\$2,000	
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
Metal Cornice	5%			2055	**	10	\$400	
Roof								
Modified Bitumen	95%	4+	\$20,100	2027	\$100,700			
<i>Blisters, Extent : Light, Area Affected : 30%</i>								
<i>Location : Main Roof And Upper Roof</i>								
<i>Ponding, Extent : Light, Area Affected : 30%</i>								
<i>Location : Main Roof And Upper Roof</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Lower And Main Roof</i>								
Skylight, Metal/Glass	5%			2037	**	10	\$1,200	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : On Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$11,700	
Ceramic Tile	2%			2036	**	5	\$200	
Quarry Tile	5%			2040	**	5	\$800	
Vinyl Tile	38%			2032	**	3	\$2,000	
Wood	5%			2055	**	5	\$1,000	

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**FIRE DEPARTMENT - 057****SQUAD 41****Asset # : 13029**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	1%			2030	**	5	\$200	
Gypsum Board	3%			LIFE	**	5	\$400	
<i>Repairs in Progress, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bedroom</i>								
Masonry: Brick	15%	0-2	\$12,700	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement At Front</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	56%			LIFE	**	5	\$3,300	
<i>Paint Peeling, Extent : Light, Area Affected : 4%</i>								
<i>Location : 3rd Floor Bedroom</i>								
SGFT/Glazed Masonry	25%	0-2	\$10,500	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%			2032	**	5	\$500	
Embossed Metal	70%	4+	\$2,900	LIFE	**	5	\$3,400	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%</i>								
<i>Location : 4th Floor Ceiling</i>								
Exposed Concrete	23%			LIFE	**	5	\$400	
Exposed Struc: Steel	2%	2-4	\$10,000	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Front Of Basement Under Overhead Door</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2037	**			
<b>Free Standing Walls</b>								
Masonry: Brick	100%			2037	**			
<b>Retaining Walls</b>								
Cast in Place Concrete	100%			2047	**			
<b>Site Pavements</b>								
<b>Parking/Driveway</b>								
Asphalt	80%	2-4	\$13,900	2030	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Parking Area</i>								
Cast in Place Concrete	20%			2032	**			
<b>Electrical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								

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 41**  
**Asset # : 13029**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Under 600 Volts</b>								
	Service Equipment							
	Fused Disc Sw	100%			2047	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Service Area</i>					
			<i>Explanation : 200 Ampere 3 Phase</i>					
<hr/>								
	Raceway							
	Conduit	70%			2027	\$24,400	1	
	Conduit	30%			2047	**	1	
<hr/>								
	Panelboards							
	Molded Case Bkrs	75%			2043	**	5	\$100
	Molded Case Bkrs	25%			2035	**	5	
<hr/>								
	Wiring							
	Thermoplastic	100%			2047	**	1	
<hr/>								
	Motor Controllers							
	Locally Mounted	100%			2032	**	5	
<hr/>								
<b>Ground</b>								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$100
			<i>Other Observation, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : There Is No Ground Jumper, Jumping The Water Meter. Jumper Needs To Be Provided.</i>					
<hr/>								
<b>Lighting</b>								
	Interior Lighting							
	Fluorescent	60%			2032	**	10	\$3,900
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement, 1st And 3rd Floors</i>					
	Fluorescent	25%			2027	\$5,400	10	\$1,600
	Incandescent	15%			2022	\$7,600	2	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Sleeping Room 2nd Floor</i>					
			<i>Explanation : Downlights</i>					
<hr/>								
	Egress Lighting							
	Emergency, Service	50%			2037	**	1	
	No Component	50%						
<hr/>								
	Exterior Lighting							
	HID	100%			2032	**	10	
<hr/>								
<b>Alarm</b>								
	Security System							
	No Component	75%						
	Generic	25%			2035	**	1	\$700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Facade</i>					
			<i>Explanation : One Security Camera</i>					

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**FIRE DEPARTMENT - 057**  
**SQUAD 41**  
**Asset # : 13029**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Heating</b>								
Energy Source								
Natural Gas	100%	0-2	\$100	2037	**	1		
<i>Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Conversion Equipment								
Steam Boiler	100%			2032	**	1	\$7,100	
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$500	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$2,300	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Split Unit	10%			2032	**			
Window/Wall Unit	20%			2020	\$3,100	1		
Window/Wall Unit	60%	Now	\$5,600	2027	\$9,300	1		
<i>Broken, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 1st, 2nd And 3rd Floors</i>								
No Component	10%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$800	
<i>Needs Cleaning, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Hood Exhaust Duct</i>								
No Component	80%							
Exhaust Fans								
Interior	25%			2027	\$6,600	2	\$100	
Wall Unit	25%			2027	\$700	2	\$100	
No Component	50%							
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%			2022	\$4,500	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	70%			LIFE	**	1		
Cast Iron	30%	2-4	\$3,300	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**FIRE DEPARTMENT - 057**  
**SQUAD 41**  
**Asset # : 13029**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Storm Drain Piping								
Cast Iron	80%			LIFE	**	1		
Cast Iron	20%	2-4	\$3,100	LIFE	**	1		
		<i>Corroded, Extent : Moderate, Area Affected : 30%</i>						
		<i>Location : Basement</i>						
Sump Pump(s)								
Submersible	100%			2021	\$300	4	\$200	
Backflow Preventer								
No Component	95%							
Generic	5%			2032	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
Fixtures								
Generic	100%							
		<i>Other Observation, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Bathrooms</i>						
		<i>Explanation : Toilet Bowls Are Cracked</i>						
Fire Suppression								
Chemical System								
Wet	10%			2025	\$2,900	1-3	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Serves Cooking Area</i>						
No Component	90%							

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : SQUAD 61  
**Address** : 1518 WILLIAMSBRIDGE ROAD BTWN EASTCHESTER RD - POPLAR ST  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : FIRSECO.061 / 13049 **Yr Built/Renovated** : 1929 /  
**Area Sq Ft** : 6,440 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 06-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 4082 **Lot** : 11 **BIN** : 2044205

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$48,600	
Electrical		\$154,400
<b>Total</b>	<b>\$48,600</b>	<b>\$154,400</b>
Importance Code A	\$48,600	
Importance Code B		\$154,400
<b>Total</b>	<b>\$48,600</b>	<b>\$154,400</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$62,700		\$3,300	
Interior Architecture	\$31,500		\$1,300	\$1,100
Electrical	\$2,200	\$500	\$600	\$600
Mechanical	\$3,100	\$1,000	\$7,500	\$1,000
Site Enclosure	\$800			
Site Pavements	\$2,300			
<b>Total</b>	<b>\$102,600</b>	<b>\$1,500</b>	<b>\$12,700</b>	<b>\$2,600</b>
Importance Code A	\$63,300	\$600	\$3,900	\$600
Importance Code B	\$21,800	\$900	\$8,800	\$1,300
Importance Code C	\$17,400			\$600
<b>Total</b>	<b>\$102,600</b>	<b>\$1,500</b>	<b>\$12,700</b>	<b>\$2,600</b>



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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)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2049	**	10	\$300	
Masonry: Brick	75%	0-2	\$48,600	LIFE	**	5	\$15,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	0-2	\$26,100	LIFE	**	5	\$1,600	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	10%			2042	**	5	\$6,600	
Windows								
Aluminum	100%	Now	\$1,700	2045	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Hose Tower</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5-10	\$14,800	
Masonry: Brick	75%	0-2	\$5,700	LIFE	**	5	\$1,900	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%	0-2	\$1,400	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	95%	Now	\$10,800	2034	**			1
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%	Now	\$6,200	2049	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$19,200	
Ceramic Tile	10%			2038	**	5	\$900	
Quarry Tile	10%			2042	**	5	\$1,300	
Vinyl Tile	25%			2034	**	3	\$800	
Wood	5%			2057	**	5	\$800	

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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)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	30%			LIFE	**	10	\$9,200	
Ceramic Tile	10%			2038	**	5	\$1,200	
Gypsum Board	5%			LIFE	**	5-10	\$1,000	
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Plaster	25%	Now	\$2,500	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower, Throughout</i>								
SGFT/Glazed Masonry	30%			LIFE	**	10	\$1,900	
Ceilings								
AcousTileSusp.Lay-In	50%			2034	**	5	\$4,400	
Exposed Concrete	10%	Now	\$1,400	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Exposed Struc: Steel	25%			LIFE	**	10	\$4,400	
Plaster	15%	Now	\$1,800	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$800	2049	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Gate</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$200	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parking/Driveway								
Cast in Place Concrete	100%	0-2	\$2,200	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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**FIRE DEPARTMENT - 057**  
**SQUAD 61**  
**Asset # : 13049**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2029	\$4,900	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 200 Ampere Main Disconnect Switch</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	\$49,900	5	\$200	
Raceway								
Conduit	100%			2029	\$32,000	1		
Panelboards								
Fused Disc Sw	5%			2028	\$2,000	5		
Molded Case Bkrs	95%			2028	\$37,400	5	\$200	
Wiring								
Thermoplastic	100%			2029	\$28,300	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2027	\$4,900	1	\$2,000	
Generators								
Diesel	100%			2025	\$67,200	1	\$2,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : One 80 Kilo-volt-ampere</i>						
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2032	**	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 550 Gallons</i>						
<b>Lighting</b>								
Interior Lighting								
Fluorescent	50%			2034	**	10	\$3,000	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor And Basement</i>						
LED	50%			2037	**			
Egress Lighting								
Emergency, Service	30%			2034	**	1		
Emergency, Service	30%			2037	**	1		
Exit, Service	10%			2024	\$100	1		
Exit, Service	30%			2037	**	1		
Exterior Lighting								
HID	100%			2024	\$24,800	10		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057**  
**SQUAD 61**  
**Asset # : 13049**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Alarm

## Security System

No Component

90%

Generic

10%

2029

\$2,000

1

\$200

*Other Observation, Extent : Light, Area Affected : 100%**Location : Front Of The Building**Explanation : CCTV Surveillance Cameras*

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	

## Heating

## Energy Source

Natural Gas

100%

2055

\* \*

1

## Conversion Equipment

Steam Boiler

100%

2042

\* \*

1

\$6,400

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One Unit*

## Distribution

Central Plant Steam Piping/Pmp

100%

0-2

\$2,100

2049

\* \*

4

\$300

*Insul. Deteriorating, Extent : Moderate, Area Affected : 5%**Location : Piping Around The Boiler*

## Terminal Devices

Convactor/Radiator

100%

2042

\* \*

1

\$2,100

## Air Conditioning

## Energy Source

Electricity

100%

2051

\* \*

1

## Conversion Equipment

Split Unit

10%

2039

\* \*

*Recent Installation, Extent : Light, Area Affected : 100%**Location : Roof*

Window/Wall Unit

50%

2022

\$6,400

1

No Component

40%

## Ventilation

## Exhaust Fans

Interior

50%

2029

\$11,000

2

\$100

Roof

50%

2029

\$5,100

2

\$100

## Plumbing

## H/C Water Piping

Galvanized Steel

100%

2034

\* \*

1

## Water Heater

Gas Fired

100%

2027

\$3,800

2

\$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 75 Gallon Unit*

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**FIRE DEPARTMENT - 057**  
**SQUAD 61**  
**Asset # : 13049**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Plumbing</b>								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2022	\$200	4	\$200
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2034	**	1	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
	Fixtures							
	Generic	100%						
		<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Kitchen And Bathroom</i>						
<b>Fire Suppression</b>								
	Chemical System							
	Dry	10%			2027	\$2,700	1-3	\$400
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Model Kp-275</i>						
	No Component	80%						
	Generic	10%			2027	\$2,700	1-3	\$400
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Fire Extinguishers</i>						

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Print Date : 25-Oct-2018

### FIRE DEPARTMENT - FY 2019

**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** : 15-Nov-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 1819 **Lot** : 4 **BIN** :

#### CAPITAL

Total

Importance Code

Total

#### EXPENSE

Total

Importance Code

Total



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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**  
**FDNY PLATFORM / PILE SUPPORTED PLATFORM**  
**Asset # : 13857**

<b>Piers</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>
<b>Structural</b>								
	Deck							
	Under Construction	100%						
	Deck Surface							
	Under Construction	100%						
	Pile Caps							
	Under Construction	100%						
	Piles and Bracing							
	Under Construction	100%						
<b>Fender</b>								
	Buffer							
	Under Construction	100%						
	Facing							
	Under Construction	100%						
	Wales and Chocks							
	Under Construction	100%						
	Piles							
	Under Construction	100%						
	Pile Cluster							
	Under Construction	100%						
<b>Deck Elements</b>								
	Railing							
	Under Construction	100%						

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Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : WHARF UNDER EC 331/LC 173 BY HARBOR ADAM  
**Address** : 158-67 CROSS BAY BLVD. SHELL BANK BASIN  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : NYP0103.010 / 13649 **Yr Built/Renovated** :  
**Area Sq Ft** : 5,520 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 01-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 14163 **Lot** : 101 **BIN** :

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Piers	\$19,500			
<b>Total</b>	<b>\$19,500</b>			
Importance Code A	\$19,500			
Importance Code B				
<b>Total</b>	<b>\$19,500</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**  
**WHARF UNDER EC 331/LC 173 BY HARBOR ADAM**  
**Asset # : 13649**

Piers		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Structural	Deck							
	Concrete	50%			LIFE	**	5	\$10,300
				<i>Cracking, Extent : Light, Area Affected : 5%</i>				
				<i>Location : Throughout</i>				
				<i>Spalling, Extent : Light, Area Affected : 5%</i>				
				<i>Location : At Pile Cap Interface, South Underside Of Pier</i>				
				<i>Other Observation, Extent : Light, Area Affected : 5%</i>				
				<i>Location : Isolated Throughout Underdeck</i>				
				<i>Explanation : Honeycombing</i>				
	Not Accessible	50%						
Pile Caps	Concrete	15%	4+	\$14,000	LIFE	**	5	\$100
				<i>Cracking, Extent : Light, Area Affected : 10%</i>				
				<i>Location : Throughout</i>				
				<i>Spalling, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Southeast Pile Cap</i>				
	Concrete	85%			LIFE	**	5	\$600
Piles and Bracing	Concrete Encased Steel	50%			LIFE	**		
	Not Accessible	50%						
Fender	Facing							
	Composite	40%			2027			\$10,100
	No Component	25%						
	Not Accessible	35%						
Deck Elements	Railing							
	Steel	25%			2024			
				<i>Corrosion, Extent : Light, Area Affected : 25%</i>				
				<i>Location : Throughout Railing</i>				
	No Component	75%						

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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 : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**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** : 15-Nov-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 1819 **Lot** : 4 **BIN** :

**CAPITAL**

Total

Importance Code

Total

**EXPENSE**

Total

Importance Code

Total



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
 Estimates are rounded to the nearest hundred dollars.  
 Maintenance \$ are aggregated over a ten-year period. 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**

<b>Bulkheads</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>			
<b>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Structural									
	Revetment								
	Under Construction	100%							
Backfill									
	Fill								
	Under Construction	100%							
	Surface								
	Under Construction	100%							
Deck Elements									
	Railing								
	Under Construction	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

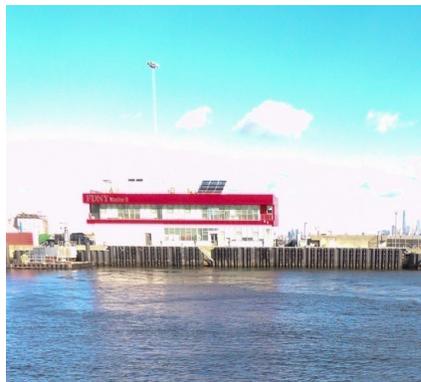
Print Date : 25-Oct-2018

**FIRE DEPARTMENT - FY 2019**

**Asset Name** : NAVY HOMEPORT MARINE 9 RESPONSE UNIT MARINA  
**Address** : AT FRONT AND WAVE STREETS  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : FIRMAR9.010 / 14767 **Yr Built/Renovated** : 2011 /  
**Area Sq Ft** : 2,800 **Project Type** : FIRE DEPARTMENT  
**Date of Survey** : 05-Jan-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 487 **Lot** : 100 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Marinas/Docks	\$196,200	\$229,400
<b>Total</b>	<b>\$196,200</b>	<b>\$229,400</b>
Importance Code A	\$196,200	\$229,400
<b>Total</b>	<b>\$196,200</b>	<b>\$229,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Marinas/Docks	\$300	\$400	\$4,900	\$400
<b>Total</b>	<b>\$300</b>	<b>\$400</b>	<b>\$4,900</b>	<b>\$400</b>
Importance Code A			\$2,200	
Importance Code B	\$100	\$100	\$2,500	\$100
Importance Code C	\$200	\$300	\$200	\$300
<b>Total</b>	<b>\$300</b>	<b>\$400</b>	<b>\$4,900</b>	<b>\$400</b>



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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**  
**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%			2052	**	1-3	\$8,200	
Floating Docks								
Anchor Piles								
Steel	50%			2052	**	3-5	\$6,600	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Tidal Zone</i>								
Not Accessible	50%							
Deck								
Concrete	100%			2035	**	5	\$89,500	
<i>Cracking, Extent : Light, Area Affected : 50%</i>								
<i>Location : Northern Half</i>								
Fenders								
Rubber	100%			2025	\$3,400	1-2	\$2,500	
Floats/Frames								
Not Accessible	100%							
Barge								
Steel	50%			2039	**	5	\$2,800	
Not Accessible	50%							
Protective Structure								
Fenders								
Steel/Rubber	60%			2024	\$102,500			
<i>Worn, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Splash Zone Along Fire Fighter 2 Berth</i>								
Not Accessible	40%							
Wave Attenuator								
Steel/Timber	5%	2-4	\$69,300	2052	**	5	\$9,100	
<i>Loose Connections, Extent : Severe, Area Affected : 100%</i>								
<i>Location : On Section Adjacent To Floating Dock</i>								
Steel/Timber	45%			2052	**	5	\$164,300	
Not Accessible	50%							
Electrical/Mech.								
Power Supply/Bollards								
Plastic	100%			2025	\$6,800			
Fender								
Piles								
Steel	50%			2027	\$28,500			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Tidal Zone Of Monopile Fenders</i>								
<i>Explanation : Corrosion</i>								
Not Accessible	50%							

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### FIRE DEPARTMENT - 057

**Project : FIRE DEPARTMENT**

CAPITAL	FY 2020 - 2023		FY 2024 - 2029	
Miscellaneous Buildings	2,620,600		1,184,700	
EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Miscellaneous Buildings	143,900	38,400	61,700	39,800

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
1832	FIRE ACADEMY FIRE SIMULATOR BLDG #4	6,000	303,300	21,200
1833	FIRE ACADEMY MAINTENANCE AND STORAGE BLDG. 10	4,800	242,600	16,900
1857	FIRE ACADEMY FIRE SIMULATOR BLDG #2	6,000	303,300	21,200
13736	FORT TOTTEN - BLDG. # 100 GUARD GATE	63	0	2,400
13742	FORT TOTTEN - BLDG. # 131 FORMER RESIDENCE	3,274	165,500	11,600
13743	FORT TOTTEN - BLDG. # 132 FORMER RESIDENCE	4,286	216,600	15,100
13744	FORT TOTTEN - BLDG. # 135 FORMER RESIDENCE	4,339	219,300	15,300
13745	FORT TOTTEN - BLDG. # 136 FORMER RESIDENCE	4,287	216,700	15,100
13751	FORT TOTTEN - BLDG. # 305 FORMER RESIDENCE	1,555	78,600	5,500
13752	FORT TOTTEN - BLDG.# 306 A AND B FORMER RESIDENCE	4,194	212,000	14,800
13753	FORT TOTTEN - BLDG.# 307 A AND B FORMER RESIDENCE	4,194	212,000	14,800
13754	FORT TOTTEN - BLDG.# 308 A AND B FORMER RESIDENCE	4,208	212,700	14,900
13756	FORT TOTTEN - BLDG.# 310 A AND B FORMER RESIDENCE	4,208	212,700	14,900
13757	FORT TOTTEN - BLDG.# 312 A AND B FORMER RESIDENCE	4,282	216,400	15,100
13758	FORT TOTTEN - BLDG.# 314 A AND B QUARtermaster STORAGE	3,274	165,500	11,600
13760	FORT TOTTEN - BLDG. # 317 FORMER RESIDENCE	6,056	306,100	21,400
13765	FORT TOTTEN - BLDG. # 331 STORAGE	2,550	128,900	9,000
14029	FORT TOTTEN - BLDG. # 334 QUARtermaster STORAGE	600	15,700	16,800
14099	FIRE ACADEMY LIBRARY - BLDG. #13	2,500	126,400	8,800
14944	FIRE ACADEMY BLDG. 15	1,296	65,500	4,600
14945	FIRE ACADEMY BLDG. 16	1,550	78,300	5,500
14946	FIRE ACADEMY BLDG. 17	2,124	107,400	7,500

**Project : FIRE DEPARTMENT**

CAPITAL	FY 2020 - 2023		FY 2024 - 2029	
Special Systems	400,000		0	
EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Special Systems	1,126,000	1,346,000	1,654,000	1,737,000

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
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**FIRE DEPARTMENT - 057**

<b>ASSET #</b>	<b>NAME</b>	<b>SQFT</b>	<b>CAPITAL</b>	<b>EXPENSE</b>
4534	FIREBOAT-GOVERNOR ALFRED E SMITH		0	0
4541	FIREBOAT - FIRE FIGHTER II		160,000	2,740,000
4542	FIREBOAT - THREE FORTY-THREE		160,000	1,927,000
4543	FIREBOAT - BRAVEST		0	844,000
4544	FIREBOAT - FEEHAN		80,000	352,000

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