

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : EAST 34 ST. FERRY TERMINAL / EAST 35 ST. PIER  
**Address** : EAST RIVER AT 34TH STREET  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0199.010 / 14223 **Yr Built/Renovated** : 2010 /  
**Area Sq Ft** : 7,600 **Project Type** : FERRIES  
**Date of Survey** : 29-Jul-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Floors 1  
**Block** : 966 **Lot** : 50 **BIN** :

**CAPITAL**

Total

Importance Code

Total

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 34 ST. FERRY TERMINAL / EAST 35 ST. PIER**

**Asset # : 14223**

<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>								
Exposed Struc: Steel	45%			LIFE	**	5	\$13,800	
Metal/Glass Curt Wall	17%			LIFE	**	5	\$3,100	
Metal Panel	30%	4+	\$400	2052	**	5	\$5,500	
<i>Deteriorated Finish, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Window Wall	2%			2052	**	5	\$700	
Wood	6%	4+	\$600	2043	**	5	\$1,500	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Ticket Booth Facade</i>								
<b>Windows</b>								
Aluminum	100%			2048	**	5	\$400	
<b>Roof</b>								
Single Ply Membrane	92%			2034	**	10	\$10,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Light Weight Fabric Structure</i>								
Not Accessible	8%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Roof Atop Ticket Booth - Inaccessible</i>								
<i>assume Concrete Deck</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	50%			LIFE	**	5	\$12,400	
Vinyl Tile	50%			2034	**	3	\$2,100	
<b>Interior Walls</b>								
Concrete Masonry Unit	50%			LIFE	**	5	\$3,500	
Gypsum Board	50%			LIFE	**	5	\$5,300	
<b>Ceilings</b>								
Exposed Struc: Steel	50%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : Metal Decking</i>								
Gypsum Board	50%			LIFE	**	5	\$7,000	

<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%			2052	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Switch Rated At 400 Amperes</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 34 ST. FERRY TERMINAL / EAST 35 ST. PIER**

**Asset # : 14223**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2052	**	5	\$200	
Raceway								
Conduit	100%			2052	**	1		
Panelboards								
Molded Case Bkrs	100%			2048	**	5	\$200	
Wiring								
Thermoplastic	100%			2052	**	1		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2043	**	1	\$2,300	
Generators								
Diesel	100%			2039	**	1	\$2,900	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Generator Room</i>					
			<i>Explanation : Emergency Generator Rated At 77 Kilowatts</i>					
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$300	
Fuel Storage								
Main Tank	100%			2061	**	5	\$200	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Generator Room</i>					
			<i>Explanation : No Available Nameplate Rating Capacity</i>					
<b>Lighting</b>								
Interior Lighting								
Fluorescent	100%			2034	**	10	\$7,000	
			<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
Egress Lighting								
Emergency, Service	50%			2034	**	1		
Exit, Service	50%			2034	**	1		
Exterior Lighting								
HID	100%			2034	**	10		
<b>Alarm</b>								
Security System								
No Component	50%							
Generic	50%			2034	**	1	\$1,400	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : CCTV Surveillance Cameras</i>					

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**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 34 ST. FERRY TERMINAL / EAST 35 ST. PIER**

**Asset # : 14223**

Mechanical		Current 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	15%			2052	**	1		
No Component	85%							
Conversion Equipment								
Heat Pump Air Sourced	10%			2030	**	2	\$200	
Radiant Heater	5%			2034	**	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Utility Room</i>								
<i>Explanation : 1 Unit</i>								
No Component	85%							
Terminal Devices								
Fan Coil Unit/Heat	10%			2034	**	1	\$300	
No Component	90%							
<b>Air Conditioning</b>								
Energy Source								
Electricity	10%			2048	**	1		
No Component	90%							
Conversion Equipment								
Heat Pump Air Sourced	10%			2030	**	2		
<i>R-134a Refrigerant, Extent : Light, Area Affected : 10%</i>								
<i>Location : Ticket Office Roof</i>								
No Component	90%							
Terminal Devices								
Fan Coil - 4 Pipe	10%			2034	**	1	\$300	
No Component	90%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2034	**	2	\$500	
No Component	90%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$400	
No Component	90%							
Exhaust Fans								
Roof	10%			2034	**	2		
No Component	90%							
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	10%			2052	**	1		
No Component	90%							
Water Heater								
Not Accessible	100%							
Sanitary Piping								
Cast Iron	10%			LIFE	**	1		
No Component	90%							

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**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 34 ST. FERRY TERMINAL / EAST 35 ST. PIER**

**Asset # : 14223**

<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	90%						
	Generic	10%			2034	**	1	\$100
Fixtures								
	Generic	100%						

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ST. GEORGE STATION FERRY, BUS, TRAIN TERMINAL  
**Address** : 1 RICHMOND TERRACE @ BAY ST.  
**Borough** : STATEN ISLAND                      **Agency's Number** : N/A  
**Program / Asset #** : DOT0109.000 / 2420                      **Yr Built/Renovated** : 1950 / 2013  
**Area Sq Ft** : 279,135                      **Project Type** : FERRIES  
**Date of Survey** : 16-Jun-2015                      **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 2                      **Lot** : 1                      **BIN** : 5141706

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$632,100	\$3,552,500
Interior Architecture	\$951,900	\$542,600
Electrical	\$166,400	\$266,000
Mechanical	\$36,500	\$1,530,500
<b>Total</b>	<b>\$1,786,900</b>	<b>\$5,891,600</b>
Importance Code A	\$632,100	\$3,552,500
Importance Code B	\$1,154,800	\$2,339,100
<b>Total</b>	<b>\$1,786,900</b>	<b>\$5,891,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$51,800		\$4,400	
Interior Architecture	\$42,900			\$3,100
Electrical	\$33,900	\$45,700	\$37,900	\$27,200
Mechanical	\$137,100	\$85,900	\$185,000	\$93,400
Elevators/Escalators	\$15,200	\$15,200	\$15,200	\$15,200
<b>Total</b>	<b>\$280,900</b>	<b>\$146,800</b>	<b>\$242,500</b>	<b>\$138,900</b>
Importance Code A	\$64,200	\$18,700	\$17,100	\$15,000
Importance Code B	\$200,000	\$128,200	\$225,300	\$123,800
Importance Code C	\$16,700			
<b>Total</b>	<b>\$280,900</b>	<b>\$146,800</b>	<b>\$242,500</b>	<b>\$138,900</b>



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**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE STATION FERRY, BUS, TRAIN TERMINAL**

**Asset # : 2420**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Glass Block	1%			LIFE	**	5	\$1,800	
Masonry: Brick	30%			LIFE	**	5	\$88,400	
Metal, Corrugated	30%			2046	**	1		
Metal/Glass Curt Wall	25%			LIFE	**	5	\$138,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Restaurant On First Floor</i>								
Metal Panel	10%			2046	**	5-10	\$202,500	
Metal Coiling Doors	4%			2039	**	5	\$36,800	
Windows								
Aluminum	80%			2042	**	5	\$8,800	
Metal Louvers	15%			2035	**	10	\$10,300	
Steel	5%	Now	\$14,600	2048	**	5	\$3,400	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Bulkheads</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Slips</i>								
Parapets								
Masonry: Brick	20%			LIFE	**	5	\$3,400	
Metal Panel	10%	4+	\$13,200	2046	**	5	\$3,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : West Slip</i>								
Metal Rail	70%			2039	**	5-10	\$212,800	
Roof								
Asphalt Macadam	15%	Now	\$24,000	2021	\$239,700	5	\$22,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bus Lane Above Main Concourse</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Bus Lane Above Main Concourse</i>								
Cast in Place Concrete	10%			LIFE	**			
Metal Panel	15%			2039	**	10	\$125,900	
Modified Bitumen	40%	Now	\$253,500	2026	\$2,535,200			
<i>Blisters, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Over Retail On First Floor</i>								
<i>Ponding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Over Retail On First Floor</i>								
Paver: Asphalt	10%	Now	\$83,700	2035	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over First Floor Corridor</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Over First Floor Corridor</i>								
Sloped Glazing	5%			LIFE	**	5	\$305,100	
Not Accessible	5%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Fuel Service/ Oil Room Wing</i>								
<i>Explanation : This Is A New Green Roof Covered With Tall Grassy Vegetation</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE STATION FERRY, BUS, TRAIN TERMINAL**

**Asset # : 2420**

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	**	5	\$106,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Slips</i>								
<i>Explanation : Movable Steel Ferry Boarding Bridges And Gallows Not Included In This Survey</i>								
Ceramic Tile	60%	0-2	\$868,900	2035	**	5	\$73,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Concourses</i>								
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : Concourses</i>								
<i>Explanation : Laid Over Old Terrazzo Flooring</i>								
Steel Grating	5%			2052	**	1		
Terrazzo	3%			LIFE	**	5	\$5,700	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Waiting Room</i>								
<i>Explanation : Inlaid Harbor Map</i>								
Terrazzo	2%	Now	\$23,200	LIFE	**	5	\$3,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Train Turnstile Entrance Area</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Train Turnstile Entrance Area</i>								
Vinyl Tile	10%			2026		3	\$12,200	
Interior Walls								
Ceramic Tile	20%			2035	**	5	\$33,400	
Concrete Masonry Unit	15%			LIFE	**	5	\$10,000	
Glass: Special Gauge	10%			LIFE	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Ferry Waiting Room</i>								
<i>Explanation : Double Glazed Glass Enclosure And Sliding Boarding Doors</i>								
Gypsum Board	30%			LIFE	**	5	\$30,000	
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%			2039	**	5	\$20,100	
Exposed Concrete	20%			LIFE	**	5	\$6,300	
Exposed Struc: Steel	10%			LIFE	**			
Gypsum Board	40%	Now	\$83,000	LIFE	**	5	\$100,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Main Concourse And Retail</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Main Concourse And Retail</i>								
Metal Panel	20%			LIFE	**	5	\$50,300	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE STATION FERRY, BUS, TRAIN TERMINAL**

**Asset # : 2420**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>								
Service Equipment								
Air Circuit Breaker	100%			2046	**	3	\$1,000	
Transformers								
Dry Type	100%			2039	**	3	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Two 2000 Kva 4160 Volts To 120/208 Volts</i>								
Feeders								
Cable	100%			2042	**	1		
Raceway								
Conduit	90%			2046	**	1		
Tray	10%			2039	**	1		
<b>Under 600 Volts</b>								
Service Equipment								
Molded Case Bkrs	100%			2046	**	5	\$7,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Six 4000 Amperes, Four 3200 Amperes And Two 2000 Amperes Main Disconnect Switch For Tenant Spaces</i>								
Switchgear / Switchboard								
Fused Disc Sw	20%			2046	**	5	\$200	
Molded Case Bkrs	80%			2046	**	5	\$5,900	
Raceway								
Conduit	90%			2046	**	1		
Tray	10%			2039	**	1		
Panelboards								
Fused Disc Sw	10%			2042	**	5	\$600	
Molded Case Bkrs	90%			2042	**	5	\$6,600	
Wiring								
Thermoplastic	100%			2046	**	1		
Motor Controllers								
Locally Mounted	50%			2039	**	5	\$900	
Motor Control Center	50%			2039	**	5	\$3,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : All Motor Controlled Via Variable Frequency Drives And Connected To Building Management System</i>								
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$4,100	
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	50%			2039	**	1	\$42,900	
Automatic	50%			2046	**	1	\$42,900	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE STATION FERRY, BUS, TRAIN TERMINAL**

**Asset # : 2420**

<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>Stand-by Power Generators</b>								
	Diesel	45%			2035	**	1	\$48,600
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior</i>						
		<i>Explanation : 1000 Kva Diesel Generator</i>						
	Diesel	45%			2041	**	1	\$48,600
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : One 400 Kilowatt</i>						
	Diesel	10%			2029	\$7,500	1	\$10,800
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Slips</i>						
		<i>Explanation : Four Portable Generators</i>						
<b>Batteries</b>								
	Lead/Acid	100%			2020	\$1,500	5	\$10,300
<b>Fuel Storage</b>								
	Day Tank	20%			2042	**	5	\$10,400
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior</i>						
		<i>Explanation : One 750 Gallon - Also Serves Boiler</i>						
	Day Tank	20%			2051	**	5	\$10,400
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : One 275 Gallons</i>						
	Main Tank	40%			2054	**	5	\$3,300
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Underground</i>						
		<i>Explanation : One 4000 Gallon</i>						
	Main Tank	20%			2041	**	5	\$1,600
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Fuel Storage Room</i>						
		<i>Explanation : Two 5000, One 2000, Two 4000 And One 10000 Gallon Tanks For Generators, Vessels And Boilers</i>						
<b>Lighting</b>								
	Interior Lighting							
	Fluorescent	65%			2031	**	10	\$166,400
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
	HID	35%			2031	**	10	\$3,200
<b>Egress Lighting</b>								
	Emergency, Service	50%			2031	**	1	
	Exit, Service	50%			2031	**	1	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE STATION FERRY, BUS, TRAIN TERMINAL**

**Asset # : 2420**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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	5%			2031	**	10	\$1,300	
		<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Pedestrian Ramp</i>						
HID	95%			2031	**	10	\$800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior</i>						
		<i>Explanation : Controlled Via Photocell</i>						
<b>Alarm</b>								
Security System								
No Component	70%							
Generic	30%			2026	\$258,600	1	\$31,300	
Fire/Smoke Detection								
No Component	70%							
Generic	30%			2031	**	1-3	\$51,600	
<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								
Interruptible Gas/Dual Fuel	100%			2046	**	1		
Conversion Equipment								
Hot Water Boiler	90%			2039	**	1	\$124,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Mechanical Room</i>						
		<i>Explanation : 3 Units</i>						
Radiant Heater	10%			2031	**	2	\$12,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Concourse</i>						
		<i>Explanation : Gas Fired Radiant Heaters In Ceiling</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2042	**	4	\$13,800	
Terminal Devices								
Air Handler	50%			2031	**	1	\$86,300	
Convactor/Radiator	35%			2039	**	1	\$31,600	
Unit Heater - Steam	15%			2031	**	4	\$3,800	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2042	**	1		

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE STATION FERRY, BUS, TRAIN TERMINAL**

**Asset # : 2420**

Mechanical		Current 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								
Absorption Chiller/Direct Fire	95%			2031	**	1	\$287,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Mechanical Room</i>						
		<i>Explanation : 2 Units - Lithium Bromide Refrigerant</i>						
Split Unit	5%			2034	**			
Distribution								
CW & CHW Wtr Pipe/Pump	100%			2046	**	4	\$13,800	
Terminal Devices								
Air Handler/Cool/Ht	100%			2031	**	1	\$172,600	
Heat Rejection								
Water Cooling Tower	100%	4+	\$20,300	2027	\$1,012,600	2	\$224,700	
		<i>Damaged, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Rooftop</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 4 Cooling Towers Service Both Chillers</i>						
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$155,600	
		<i>Dented, Extent : Light, Area Affected : 10%</i>						
		<i>Location : 2nd Floor Return Air</i>						
		<i>Not Insulated, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Indoor Ceiling</i>						
Exhaust Fans								
Interior	60%			2031	**	2	\$5,100	
Roof	40%			2026	\$177,200	2	\$3,400	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Electric	100%			2024	\$235,100	4	\$2,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Various Locations</i>						
		<i>Explanation : 5 Small Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	4+	\$27,800	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Roof</i>						
Sewage Ejector(s)								
Electric	100%			2031	**	4	\$11,100	
Backflow Preventer								
Generic	100%			2031	**	1	\$17,100	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE STATION FERRY, BUS, TRAIN TERMINAL**

**Asset # : 2420**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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%							
Vertical Transport								
Elevators								
Hydraulic	100%			LIFE		**		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st To 2nd Floor</i>						
		<i>Explanation : Three Units - Two Passenger, One Freight</i>						
Escalators								
Under 20' Rise	100%			LIFE		**		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st To 2nd Floor</i>						
		<i>Explanation : One Unit</i>						
Fire Suppression								
Standpipe								
Generic	100%			2046		**	1-5	\$140,700
Sprinkler								
Generic	100%			2046		**	1-2	\$78,200

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : VESSEL MAINTENANCE FACILITY  
**Address** : 1 BAY STREET @ FERRY TERMINAL  
**Borough** : STATEN ISLAND      **Agency's Number** : N/A  
**Program / Asset #** : DOT0141.000 / 4379      **Yr Built/Renovated** : 1992 /  
**Area Sq Ft** : 85,000      **Project Type** : FERRIES  
**Date of Survey** : 16-Jun-2015      **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2,3  
**Block** : 1      **Lot** : 70      **BIN** : 5132949

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$159,200
Interior Architecture	\$146,900	\$273,900
Electrical		\$578,300
Mechanical	\$822,600	\$2,288,800
<b>Total</b>	<b>\$969,500</b>	<b>\$3,300,200</b>
Importance Code A		\$190,500
Importance Code B	\$969,500	\$3,026,900
Importance Code C		\$82,700
<b>Total</b>	<b>\$969,500</b>	<b>\$3,300,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$17,400	\$41,900		\$10,300
Interior Architecture	\$24,700			\$3,900
Electrical	\$1,900	\$2,600	\$1,600	\$1,900
Mechanical	\$14,500	\$23,200	\$49,900	\$13,700
Elevators/Escalators	\$7,900	\$7,900	\$7,900	\$7,900
<b>Total</b>	<b>\$66,300</b>	<b>\$75,600</b>	<b>\$59,400</b>	<b>\$37,600</b>
Importance Code A	\$21,600	\$46,300	\$4,200	\$14,500
Importance Code B	\$28,400	\$29,300	\$55,200	\$23,200
Importance Code C	\$16,400			
<b>Total</b>	<b>\$66,300</b>	<b>\$75,600</b>	<b>\$59,400</b>	<b>\$37,600</b>



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**DEPARTMENT OF TRANSPORTATION - 841**  
**VESSEL MAINTENANCE FACILITY**  
**Asset # : 4379**

Architecture		Current 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	\$20,100	
Masonry: Brick	35%	4+	\$17,400	LIFE	**	5	\$28,200	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	45%			LIFE	**	5	\$36,200	
Metal Panel	10%			2046	**	5-10	\$55,400	
Metal Coiling Doors	5%			2039	**	5	\$12,600	
<b>Windows</b>								
Aluminum	100%			2048	**	5	\$20,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Parapets</b>								
Masonry: Brick	85%			LIFE	**	5	\$7,300	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Metal Panel	10%			2046	**	5	\$3,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$2,700	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Roof</b>								
Metal Panel	5%			2039	**	10	\$7,700	
Single Ply Membrane	30%			2031	**	10	\$25,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Upper Roof Area</i>								
Single Ply Membrane	65%			2034	**	10	\$54,500	
<i>Gravel/Stone Ballast, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lower Roof</i>								
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lower Roof Area</i>								
<i>Other Observation, Extent : Light, Area Affected : 95%</i>								
<i>Location : Main Roof Level</i>								
<i>Explanation : Photovoltaic Solar Panels</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	70%	2-4	\$92,800	LIFE	**	5	\$191,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2035	**	5	\$6,200	
Vinyl Tile	25%	2-4	\$54,200	2031	**	3	\$11,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**VESSEL MAINTENANCE FACILITY**  
**Asset # : 4379**

<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%			2035	**	5	\$12,200	
Concrete Masonry Unit	85%			LIFE	**	5	\$82,700	
Gypsum Board	10%	2-4	\$10,300	LIFE	**	5	\$14,600	

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

*Location : Throughout*

## Ceilings

AcousTileSusp.Lay-In	25%	0-2	\$5,200	2039	**	5	\$15,600	
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*Broken/Missing Elements, Extent : Moderate, Area Affected : 20%*

*Location : Throughout*

*Staining/Discoloring, Extent : Moderate, Area Affected : 20%*

*Location : Throughout Third Floor*

Exposed Concrete	65%			LIFE	**	5	\$12,700	
Gypsum Board	10%			LIFE	**	5	\$15,600	

<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>	

## Under 600 Volts

## Service Equipment

Fused Disc Sw	80%			2036	**	5	\$300	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Electrical Room*

*Explanation : One 4000 Amperes Main Disconnect Switch*

Photovoltaic Panel(s)	20%			2029		1	\$1,700	
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## Transformers

Dry Type	100%			2031	**	5	\$300	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Electrical Room*

*Explanation : One 15 Kva 480hv-208y/120 Kva*

## Switchgear / Switchboard

Fused Disc Sw	100%			2036	**	5	\$400	
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## Raceway

Conduit	100%			2036	**	1		
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## Panelboards

Fused Disc Sw	10%			2034	**	5	\$200	
Molded Case Bkrs	90%			2034	**	5	\$2,000	

## Wiring

Thermoplastic	100%			2036	**	1		
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## Motor Controllers

Locally Mounted	100%			2031	**	5	\$600	
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$1,200	
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## Lighting

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**DEPARTMENT OF TRANSPORTATION - 841**  
**VESSEL MAINTENANCE FACILITY**  
**Asset # : 4379**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2034	**	10	\$54,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
HID	30%			2026	\$177,400	10	\$800	
<b>Egress Lighting</b>								
Emergency, Battery	50%			2026	\$58,500	10	\$10,300	
Exit, Battery	50%			2026	\$20,000	10	\$2,900	
<b>Exterior Lighting</b>								
Fluorescent	20%			2026	\$55,600	10	\$1,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entrance</i>								
HID	80%			2031	**	10	\$200	
<b>Alarm</b>								
<b>Security System</b>								
No Component	80%							
Generic	20%			2026	\$52,500	1	\$6,400	
<b>Fire/Smoke Detection</b>								
No Component	80%							
Generic, Digital	20%			2026	\$179,700	1-3	\$10,800	

<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>	
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	100%			2052	**	1		
<b>Conversion Equipment</b>								
Furnace	70%			2034	**	1	\$29,400	
Hot Water Boiler	5%			2024	\$31,300	1	\$2,100	
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Hot Water Boiler	25%			2043	**	1	\$10,500	
<b>Distribution</b>								
Hot Wtr Piping/Pump	100%			2048	**	4	\$6,300	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**VESSEL MAINTENANCE FACILITY**  
**Asset # : 4379**

<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								
	Air Handler	60%	Now	\$137,100	2021	\$685,500	1	\$28,400
<i>Abandoned in Place, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Broken, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Air Handler Broken On 1st Floor</i>								
	Fan Coil Unit/Heat	40%			2026	\$486,700	1	\$11,000
<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Air Conditioning</b>								
Energy Source								
	Electricity	100%			2042	**	1	
Conversion Equipment								
	Exterior Pkg Unit - Cooling	20%			2026	\$131,600	2	\$1,000
	Split Unit	70%			2031	**		
	Window/Wall Unit	10%			2024	\$16,900	1	
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2	\$110,600
Dehumidifier								
	Not Accessible	100%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$47,400
Exhaust Fans								
	Roof	60%			2026	\$80,900	2	\$1,600
	Wall Unit	40%			2031	**	2	\$1,000
<b>Plumbing</b>								
H/C Water Piping								
	Galvanized Steel	100%			2024	\$356,500	1	
Water Heater								
	Oil Fired	100%			2024	\$67,400	1	\$2,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 117 Gallons</i>								
HW Heat Exchanger								
	HTHW/HW	100%			2046	**		
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sewage Ejector(s)								
	Electric	100%			2026	\$23,400	4	\$3,400
Fixtures								
	Generic	100%						
<b>Vertical Transport</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**VESSEL MAINTENANCE FACILITY**  
**Asset # : 4379**

<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>
Vertical Transport	Elevators							
	Hydraulic	100%			LIFE		**	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st To 3rd Floor</i>								
<i>Explanation : Two Units - One Passenger, One Freight</i>								
Fire Suppression	Standpipe							
	Generic	100%			2026	\$338,600	1-5	\$44,400
	Sprinkler							
	Generic	100%			2026	\$795,600	1-2	\$23,800

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

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : WEST MIDTOWN FERRY TERMINAL / PIER 79  
**Address** : HUDSON RIVER AT 39 STREET  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0214.000 / 14635 **Yr Built/Renovated** : 2005 /  
**Area Sq Ft** : 20,200 **Project Type** : FERRIES  
**Date of Survey** : 19-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 665 **Lot** : 14 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$37,900	\$37,900
<b>Total</b>	<b>\$37,900</b>	<b>\$37,900</b>
Importance Code A	\$37,900	\$37,900
<b>Total</b>	<b>\$37,900</b>	<b>\$37,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture		\$16,500	\$16,400	\$33,300
Interior Architecture	\$31,100		\$5,600	\$1,500
Electrical	\$5,000	\$21,200	\$3,500	\$3,100
Mechanical	\$1,500	\$900	\$3,100	\$900
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$41,500</b>	<b>\$42,500</b>	<b>\$32,600</b>	<b>\$42,700</b>
Importance Code A		\$16,500	\$16,400	\$33,300
Importance Code B	\$41,500	\$26,000	\$16,100	\$9,400
Importance Code C				
<b>Total</b>	<b>\$41,500</b>	<b>\$42,500</b>	<b>\$32,600</b>	<b>\$42,700</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**WEST MIDTOWN FERRY TERMINAL / PIER 79**

**Asset # : 14635**

<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**

Metal Panel	13%			2052	**	5-10	\$22,600	
Metal Coiling Doors	2%			2043	**	5	\$1,600	
Stucco Cement	5%			2039	**	5	\$3,200	
Window Wall	80%			2052	**	5	\$75,800	

**Parapets**

Metal Rail	100%			2043	**	5-10	\$53,500	
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**Roof**

Cast in Place Concrete	20%			LIFE	**			
Spray-on Foam	80%			2031	**	5	\$33,000	

**Interior**

**Floors**

Carpet	35%			2025	\$137,100	3	\$15,800	
Cast in Place Concrete	5%			LIFE	**	5	\$3,300	
Ceramic Tile	50%	Now	\$14,900	2035	**	5	\$7,500	

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

*Location : Throughout*

*Poor Subfloor Evident, Extent : Severe, Area Affected : 75%*

*Location : Throughout*

Vinyl Tile	10%			2031	**	3	\$1,100	
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**Interior Walls**

Ceramic Tile	5%			2039	**	5	\$1,200	
Concrete Masonry Unit	5%			LIFE	**	5	\$500	
Glass: Single Pane	40%			LIFE	**	5	\$7,100	
Gypsum Board	10%			LIFE	**	5	\$1,400	
Metal Panel	40%			LIFE	**			

**Ceilings**

AcousTileSusp.Lay-In	10%			2043	**	5	\$3,000	
Embossed Metal	30%	Now	\$16,200	LIFE	**	5	\$4,100	

*Broken/Missing Elements, Extent : Light, Area Affected : 10%*

*Location : Throughout*

Gypsum Board	60%			LIFE	**	5	\$22,600	
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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%			2046	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Electrical Room*

*Explanation : One 4000 Amperes Main Dficonnect Switch*

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

*Estimates are rounded to the nearest hundred dollars.*

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

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

**DEPARTMENT OF TRANSPORTATION - 841  
WEST MIDTOWN FERRY TERMINAL / PIER 79**

**Asset # : 14635**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2039	**	5	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : One 150 Kva And 45 Kva 480hv-208y/120lv</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2046	**	5	\$100	
Raceway								
Conduit	100%			2046	**	1		
Panelboards								
Fused Disc Sw	10%			2042	**	5		
Molded Case Bkrs	90%			2034	**	5	\$500	
Wiring								
Thermoplastic	100%			2046	**	1		
Motor Controllers								
Locally Mounted	100%			2039	**	5	\$100	
<b>Ground</b>								
Grounding Devices								
Not Accessible	100%							
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2039	**	1	\$6,200	
Generators								
Diesel	100%			2035	**	1	\$7,800	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : One 134 Kw</i>						
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$700	
Fuel Storage								
Main Tank	100%			2054	**	5	\$600	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	20%			2031	**	10	\$3,700	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Lobby, Facade And Waiting Area</i>						
		<i>Explanation : T-5 Lamps</i>						
Fluorescent	75%			2031	**	10	\$13,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : T-8 Lamps</i>						
Incandescent	5%			2031	**	2		
Egress Lighting								
Emergency, Service	70%			2031	**	1		
Exit, LED	30%			2054	**	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.

**DEPARTMENT OF TRANSPORTATION - 841  
WEST MIDTOWN FERRY TERMINAL / PIER 79**

**Asset # : 14635**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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

20%  
2031 \* \* 10 \$400  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Walkway Shade*  
*Explanation : T-8 Lamps*

HID

80% 2031 \* \* 10

**Lightning Protection**

Arresters/Cabling  
Generic

100% 2054 \* \* 5 \$600

**Alarm**

Security System  
No Component  
Generic

30%  
70% 2031 \* \* 1 \$5,300

Fire/Smoke Detection  
Generic, Analog

100% 2031 \* \* 1-3 \$12,500

<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% 2052 \* \* 1

**Air Conditioning**

Energy Source  
Electricity

100% 2048 \* \* 1

Conversion Equipment  
Ext Pkg Unit -  
Heating/Cooling

100% 2034 \* \* 2 \$1,200

*R-22 Refrigerant, Extent : Moderate, Area Affected : 100%*  
*Location : Roof, AC Units*  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Roof*  
*Explanation : 5 Units Provide Heating Through Built In Gas Furnace*

**Ventilation**

Distribution

Ductwork/Diffusers

100% LIFE \* \* 2-5 \$11,300

Exhaust Fans

Roof  
No Component

15%  
85% 2034 \* \* 2 \$100

*Other Observation, Extent : Light, Area Affected : 0%*  
*Location : Roof*  
*Explanation : Ventilation Process Through A C Units*

**Plumbing**

H/C Water Piping  
Brass/Copper

100% 2052 \* \* 1

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

**DEPARTMENT OF TRANSPORTATION - 841  
WEST MIDTOWN FERRY TERMINAL / PIER 79**

**Asset # : 14635**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2025	\$17,000	4	\$200	
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Backflow Preventer Generic	100%			2034	**	1	\$1,200	
Fixtures Generic	100%							
<b>Vertical Transport</b>								
Elevators Hydraulic	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st To 2nd Floor</i>						
		<i>Explanation : One Unit</i>						
<b>Fire Suppression</b>								
Sprinkler Generic	100%			2052	**	1-2	\$5,700	
Fire Pump Generic	100%			2039	**	1	\$3,800	

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

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : WHITEHALL FERRY TERMINAL  
**Address** : SOUTH AND WHITEHALL STS @ PETER MINUIT PLAZA  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0106.000 / 2418 **Yr Built/Renovated** : 2005 /  
**Area Sq Ft** : 206,998 **Project Type** : FERRIES  
**Date of Survey** : 16-Jun-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2,3  
**Block** : 2 **Lot** : 1 **BIN** : 1085792

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$831,400	\$826,300
Interior Architecture		\$556,600
Electrical	\$132,900	
Mechanical	\$3,277,100	\$7,156,600
<b>Total</b>	<b>\$4,241,400</b>	<b>\$8,539,400</b>
Importance Code A	\$831,400	\$1,176,900
Importance Code B	\$3,410,000	\$7,311,800
Importance Code C		\$50,700
<b>Total</b>	<b>\$4,241,400</b>	<b>\$8,539,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture		\$4,500		
Interior Architecture	\$32,400		\$213,400	\$23,200
Electrical	\$30,200	\$31,400	\$34,000	\$24,800
Mechanical	\$96,400	\$95,900	\$144,700	\$65,000
Elevators/Escalators	\$32,600	\$32,600	\$32,600	\$32,600
<b>Total</b>	<b>\$191,500</b>	<b>\$164,400</b>	<b>\$424,700</b>	<b>\$145,600</b>
Importance Code A	\$11,100	\$14,200	\$11,100	\$9,200
Importance Code B	\$174,500	\$150,200	\$413,500	\$136,400
Importance Code C	\$6,000			
<b>Total</b>	<b>\$191,500</b>	<b>\$164,400</b>	<b>\$424,700</b>	<b>\$145,600</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**WHITEHALL FERRY TERMINAL**  
**Asset # : 2418**

Architecture		Current 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								
Concrete Masonry Unit	10%			LIFE	**	5	\$15,500	
Metal, Corrugated	10%			2046	**	1		
Metal Panel	20%			2046	**	5-10	\$341,400	
Pre-Cast Concrete	5%			LIFE	**	5	\$40,300	
Window Wall	55%			2046	**	5	\$512,100	
Parapets								
Concrete Masonry Unit	10%			LIFE	**	5	\$5,300	
Metal Panel	5%			2046	**	5	\$9,000	
Metal Rail	85%			2043	**	5-10	\$716,900	
Roof								
Modified Bitumen	80%	Now	\$47,000	2031	**			
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Upper Roof Viewing Area</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Upper Roof Viewing Area</i>								
Plaza Roof: Stone Panels	20%			2046	**			
<b>Interior</b>								
Floors								
Carpet	5%			2022	\$201,800	3	\$23,200	
Cast in Place Concrete	25%			LIFE	**	5	\$169,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : First Floor Utility Area</i>								
Ceramic Tile	15%			2035	**	5	\$46,500	
Granite Panels	10%			LIFE	**	5	\$23,200	
Terrazzo	35%			LIFE	**	5	\$84,700	
Vinyl Tile	10%			2031	**	3	\$11,600	
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : Elevator Lobbies</i>								
Interior Walls								
Concrete Masonry Unit	60%			LIFE	**	5	\$50,700	
Glass: Special Gauge	10%			LIFE	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Waiting Room</i>								
<i>Explanation : Double Glazed Wall And Sliding Boarding Doors</i>								
Gypsum Board	20%			LIFE	**	5	\$25,300	
Metal Panel	10%	4+	\$6,000	LIFE	**			
<i>Deformed/Dented, Extent : Light, Area Affected : 5%</i>								
<i>Location : Circular Sheet Metal Column Bases Throughout Waiting Area</i>								
Ceilings								
AcousTileSusp.Lay-In	15%			2043	**	5	\$46,500	
Exposed Struc: Steel	15%			LIFE	**			
Gypsum Board	5%	Now	\$3,200	LIFE	**	5	\$19,400	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Elevator Lobby</i>								
Metal Panel	65%			LIFE	**	5	\$251,700	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**WHITEHALL FERRY TERMINAL**  
**Asset # : 2418**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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	97%			2046	**	5	\$900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : One 6000 Amperes</i>						
Photovoltaic Panel(s)	3%			2035	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 5%</i>						
		<i>Location : South Facing - On Water Side Of Building</i>						
		<i>Explanation : Blue Color Panels</i>						
Transformers								
Dry Type	100%			2039	**	5	\$800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : One Dry Type At 75 Kva Each</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2046	**	5	\$900	
Raceway								
Conduit	100%			2046	**	1		
Panelboards								
Fused Disc Sw	30%			2042	**	5	\$1,400	
Molded Case Bkrs	70%			2042	**	5	\$3,800	
Wiring								
Thermoplastic	100%			2046	**	1		
Motor Controllers								
Locally Mounted	20%			2039	**	5	\$300	
Motor Control Center	80%			2039	**	5	\$4,500	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$3,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Pump Room</i>						
		<i>Explanation : Main Water Pipe</i>						
<b>Stand-by Power</b>								
Transfer Switches								
Automatic	100%			2039	**	1	\$63,700	
Generators								
Diesel	100%			2035	**	1	\$80,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Penthouse</i>						
		<i>Explanation : One 700 Kva Gallon</i>						
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$7,700	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**WHITEHALL FERRY TERMINAL**  
**Asset # : 2418**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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	20%			2042	**	5	\$7,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : 275 Gallon</i>								
Main Tank	80%			2054	**	5	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Ground Floor</i>								
<i>Explanation : 2600 Gallon Tank</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	70%			2031	**	10	\$132,900	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
HID	30%			2031	**	10	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Metal Halide</i>								
<b>Egress Lighting</b>								
Emergency, Service	50%			2031	**	1		
Exit, Service	50%			2031	**	1		
<b>Exterior Lighting</b>								
HID	100%			2031	**	10	\$600	
<b>Lightning Protection</b>								
<b>Arresters/Cabling</b>								
Generic	100%			2061	**	5	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Steel Type</i>								
<b>Alarm</b>								
<b>Security System</b>								
No Component	70%							
Generic	30%			2031	**	1	\$23,200	
<b>Fire/Smoke Detection</b>								
No Component	30%							
Generic, Digital	70%			2034	**	1-3	\$89,300	
<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>								
<b>Energy Source</b>								
Natural Gas	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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**WHITEHALL FERRY TERMINAL**  
**Asset # : 2418**

Mechanical		Current 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	90%			2031	**	1	\$92,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor Mechanical Equipment Room</i>								
<i>Explanation : 1 Unit</i>								
Radiant Heater	10%			2026	\$350,600	2	\$9,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Street Side Of Main Lobby</i>								
<i>Explanation : Gas Fired Radiant Heater In Main Lobby Ceiling</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2034	**	4	\$10,200	
Terminal Devices								
Air Handler	90%			2026	\$2,504,100	1	\$115,200	
Fan Coil Unit/Heat	10%			2026	\$296,300	1	\$6,700	
Air Conditioning								
Energy Source								
Natural Gas	100%			2046	**	1		
Conversion Equipment								
Absorption Chiller/Direct Fire	80%	Now	\$3,277,100	2036	**	1	\$161,300	
<i>Abandoned in Place, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 3rd Floor Mechanical Equipment Room</i>								
<i>R-134a Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor Mechanical Equipment Room</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 3rd Floor Mechanical Equipment Room</i>								
<i>Explanation : 1 Chiller Broken. 1 Chiller Running 20Percent. Portable Temporary Chiller In Use</i>								
Split Unit	20%			2031	**			
Distribution								
CW & CHW Wtr Pipe/Pump	100%			2046	**	4	\$10,200	
Terminal Devices								
Air Handler/Cool/Ht	100%			2026	\$2,219,100	1	\$128,000	
Heat Rejection								
Water Cooling Tower	100%			2024	\$750,900	2	\$208,300	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$115,400	
Exhaust Fans								
Interior	80%			2026	\$563,200	2	\$5,100	
Roof	20%			2026	\$65,700	2	\$1,300	
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**WHITEHALL FERRY TERMINAL**  
**Asset # : 2418**

<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%			2024	\$120,700	2	\$3,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor Mechanical Equipment Room</i>								
<i>Explanation : Two 250 Gallon</i>								
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sewage Ejector(s) Electric	100%			2026	\$57,000	4	\$8,200
	Backflow Preventer Generic	100%			2026	\$50,300	1	\$12,700
	Fixtures Generic	100%						
<b>Vertical Transport</b>								
	Elevators Hydraulic	100%			LIFE	**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : (2) 1st Floor To Roof, (1) 1st To 3rd Floor, (1) 1st To 2nd Floor</i>								
<i>Explanation : 4 Units</i>								
	Escalators Over 20' Rise	100%			LIFE	**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st To 2nd Floor</i>								
<i>Explanation : 5 Units</i>								
<b>Fire Suppression</b>								
	Standpipe Generic	100%			2036	**	1-5	\$104,400
	Sprinkler Generic	100%			2036	**	1-2	\$58,000
	Fire Pump Generic	100%			2029	\$127,400	1	\$38,700
<i>Corroded, 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.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ARTERIAL AND FLEET SERVICES GAS HOUSE  
**Address** : 32-11 HARPER STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0092.020 / 564 **Yr Built/Renovated** : 1937 / 1997  
**Area Sq Ft** : 1,876 **Project Type** : HIGHWAYS  
**Date of Survey** : 14-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 1790 **Lot** : 1 **BIN** : 4444576

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$101,600	
<b>Total</b>	<b>\$101,600</b>	
Importance Code A	\$101,600	
<b>Total</b>	<b>\$101,600</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$19,800			
Interior Architecture	\$100			\$100
Electrical	\$5,900			
Mechanical	\$100	\$100	\$5,400	\$100
<b>Total</b>	<b>\$25,800</b>	<b>\$100</b>	<b>\$5,400</b>	<b>\$300</b>
Importance Code A	\$19,900	\$100	\$100	\$100
Importance Code B	\$6,000	\$100	\$5,300	\$200
Importance Code C				
<b>Total</b>	<b>\$25,800</b>	<b>\$100</b>	<b>\$5,400</b>	<b>\$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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL AND FLEET SERVICES GAS HOUSE**

**Asset # : 564**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	95%	Now	\$62,900	LIFE	**	5	\$6,800	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	5%	Now	\$3,600	LIFE	**	5	\$1,200	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Building Base</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : At Window Sills</i>								
Windows								
Glass Block	100%			LIFE	**	5	\$500	
Parapets								
Masonry: Brick	95%	Now	\$38,700	LIFE	**	5	\$2,200	1
<i>Diagonal Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Corners</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	5%	Now	\$800	LIFE	**	5	\$700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Coping</i>								
Roof								
Modified Bitumen	100%	Now	\$15,300	2032	**			1
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	**	5	\$4,200	
Vinyl Tile	35%			2032	**	3	\$500	
Interior Walls								
Concrete Masonry Unit	25%			LIFE	**	5		
Masonry: Brick	75%			LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841  
ARTERIAL AND FLEET SERVICES GAS HOUSE**

**Asset # : 564**

<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

Exposed Concrete	100%			LIFE	**	5	\$500	
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*Water Penetration, Extent : Moderate, Area Affected : 20%*

*Location : Throughout*

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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	\$3,800	1		
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Panelboards

Fused Disc Sw	10%			2026	\$800	5		
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Molded Case Bkrs	40%			2026	\$3,100	5		
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Molded Case Bkrs	50%			2043	**	5		
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Wiring

Braided Cloth	70%	2-4	\$5,800	2052	**	1		
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*Insulation Aged, Extent : Moderate, Area Affected : 100%*

*Location : Throughout*

Thermoplastic	30%			2047	**	1		
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Lighting

Interior Lighting

Fluorescent	100%			2027	\$4,200	10	\$1,700	
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*T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%*

*Location : Throughout The Building*

Exterior Lighting

HID	20%			2035	**	10		
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No Component	80%							
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Alarm

Fire/Smoke Detection

No Component	80%							
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Generic, Digital	20%			2027	\$4,000	1-3	\$200	
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Inside*

*Explanation : 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

Natural Gas	100%			2037	**	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.*

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

**DEPARTMENT OF TRANSPORTATION - 841  
ARTERIAL AND FLEET SERVICES GAS HOUSE**

**Asset # : 564**

<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 Furnace	100%			2027	\$4,200	1	\$900
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
<i>Explanation : 2 Direct Fired Unit Heaters</i>								
<b>Air Conditioning</b>								
	Energy Source Electricity	100%			2035	* *	1	
	Conversion Equipment Window/Wall Unit	100%			2022	\$3,700	1	
<b>Ventilation</b>								
	Exhaust Fans Wall Unit	100%			2027	\$600	2	\$100
<b>Plumbing</b>								
	H/C Water Piping Brass/Copper	100%			2037	* *	1	
	Water Heater Electric	100%			2022	\$1,600	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.  
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*Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ARTERIAL AND FLEET SERVICES GUARD HOUSE  
**Address** : 32-11 HARPER STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0092.150 / 174 **Yr Built/Renovated** : 1997 /  
**Area Sq Ft** : 96 **Project Type** : HIGHWAYS  
**Date of Survey** : 14-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 1790 **Lot** : 1 **BIN** : 4444576

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture		\$1,100	\$5,900	
Interior Architecture		\$400		
Electrical				
Mechanical			\$200	
<b>Total</b>		<b>\$1,500</b>	<b>\$6,100</b>	
Importance Code A		\$1,100	\$5,900	
Importance Code B		\$400	\$200	
<b>Total</b>		<b>\$1,500</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL AND FLEET SERVICES GUARD HOUSE**

**Asset # : 174**

<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

Window Wall	100%			2047	**	5	\$11,800	
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## Roof

Roll Roofing	100%			2026	\$5,700	5	\$2,300	
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## Interior

## Floors

Ceramic Tile	100%			2036	**	5	\$700	
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## Ceilings

Fiber Board	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

## Raceway

Conduit	100%			2037	**	1		
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## Panelboards

Molded Case Bkrs	100%			2035	**	5		
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## Wiring

Thermoplastic	100%			2037	**	1		
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## Lighting

## Interior Lighting

Fluorescent	100%			2027	\$200	10	\$100	
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*T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%*

*Location : Throughout The Building*

## Alarm

## Security System

Generic	100%			2035	**	1		
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Outside*

*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

Electricity	100%			2047	**	1		
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## Conversion Equipment

Radiant Heater	100%			2027	\$1,600	2		
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Office*

*Explanation : 1 Unit*

## 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.*

**DEPARTMENT OF TRANSPORTATION - 841  
ARTERIAL AND FLEET SERVICES GUARD HOUSE**

**Asset # : 174**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2022	\$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.*

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ARTERIAL AND FLEET SERVICES MAIN GARAGE  
**Address** : 32-11 HARPER STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0092.000 / 2412 **Yr Built/Renovated** : 1937 / 1997  
**Area Sq Ft** : 64,562 **Project Type** : HIGHWAYS  
**Date of Survey** : 14-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 1790 **Lot** : 1 **BIN** : 4444576

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$1,637,200	\$58,400
Interior Architecture	\$122,200	
Electrical	\$59,200	
Mechanical		\$916,900
<b>Total</b>	<b>\$1,818,600</b>	<b>\$975,300</b>
Importance Code A	\$1,637,200	\$203,700
Importance Code B	\$181,400	\$771,600
<b>Total</b>	<b>\$1,818,600</b>	<b>\$975,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$33,700		\$10,700	\$2,100
Interior Architecture	\$54,500	\$900	\$21,200	\$900
Electrical	\$4,600	\$400		\$300
Mechanical	\$4,400	\$6,200	\$25,700	\$4,800
<b>Total</b>	<b>\$97,200</b>	<b>\$7,600</b>	<b>\$57,600</b>	<b>\$8,100</b>
Importance Code A	\$36,900	\$3,200	\$13,900	\$5,400
Importance Code B	\$13,600	\$4,400	\$43,700	\$2,700
Importance Code C	\$46,700			
<b>Total</b>	<b>\$97,200</b>	<b>\$7,600</b>	<b>\$57,600</b>	<b>\$8,100</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL AND FLEET SERVICES MAIN GARAGE**

**Asset # : 2412**

Architecture		Current Repair		Future 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	\$539,600	LIFE	**	5	\$58,400	1
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Facade, South Facade</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : North Facade, South Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Facade</i>								
<i>Rusting Masonry Supt, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Above Overhead Doors</i>								
Metal Coiling Doors	10%			2032	**	5	\$21,500	
Pre-Cast Concrete	5%	Now	\$23,200	LIFE	**	5	\$11,200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Window Sills</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Building Base</i>								
Windows								
Aluminum	25%			2043	**	5	\$4,100	
Glass Block	75%			LIFE	**	5	\$7,700	
Parapets								
Masonry: Brick	95%	Now	\$484,700	LIFE	**	5	\$27,400	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : East Facade</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North Facade, South Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Interior Face</i>								
Pre-Cast Concrete	5%	Now	\$10,500	LIFE	**	5	\$9,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Coping</i>								
<i>Open Joints, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Coping</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL AND FLEET SERVICES MAIN GARAGE**

**Asset # : 2412**

Architecture		Current Repair		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	65%	Now	\$122,000	2036		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Ridge</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Garage Area</i>								
Modified Bitumen	30%	Now	\$222,200	2032		**		
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Garage Area At Highway Columns</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Garage Area</i>								
Skylight, Metal/Glass	5%	Now	\$268,800	2047		**		
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Garage Area</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Garage Area</i>								
Interior								
Floors								
Asphalt Macadam	90%			2047		**	5	\$42,400
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	2%			2036		**	5	\$1,900
Vinyl Tile	8%	Now	\$65,400	2037		**	3	\$2,800
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Office Areas</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Office Areas</i>								
Interior Walls								
Cast in Place Concrete	5%	Now	\$15,000	LIFE		**		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Espreway Columns</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Expreway Columns</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : Various Expreway Columns Run Through The Garage Area</i>								
Concrete Masonry Unit	30%	Now	\$31,700	LIFE		**	5	\$2,800
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Wall Dividing Garage Areas</i>								
<i>Horizontal Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Wall Dividing Garage Areas</i>								
Masonry: Brick	65%			LIFE		**		

Note : All component repairs \$ estimates are in current dollars and are not 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL AND FLEET SERVICES MAIN GARAGE**

**Asset # : 2412**

<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	\$7,800	2032	**	5	\$2,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Toilets</i>								
Exposed Struc: Steel	20%			LIFE	**			
Exposed Struc: Wood	60%			LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Garage Area</i>								
Plaster	15%	Now	\$56,800	LIFE	**	5	\$8,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : East And North Areas Of Garage</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East And North Areas Of Garage</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Garage</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>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2053	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Switch Rated At 2000 Amperes</i>								
<hr/>								
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%			2053	**	5	\$300	
<hr/>								
<b>Raceway</b>								
Conduit	20%			2053	**	1		
Conduit	80%			2027	\$7,600	1		
<hr/>								
<b>Panelboards</b>								
Molded Case Bkrs	50%			2035	**	5	\$900	
Molded Case Bkrs	50%			2026	\$15,300	5	\$900	
<hr/>								
<b>Wiring</b>								
Braided Cloth	20%	2-4	\$4,200	2052	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Thermoplastic	80%			2037	**	1		
<hr/>								
<b>Ground</b>								
<b>Grounding Devices</b>								
Not Accessible	100%							
<hr/>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	100%			2032	**	10	\$59,200	
<i>T-5 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL AND FLEET SERVICES MAIN GARAGE**

**Asset # : 2412**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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	5%			2035	**	10	\$800	
Exit, Service	5%			2035	**	1		
No Component	90%							
Exterior Lighting								
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>	

**Heating**

Energy Source								
Natural Gas	100%			2037	**	1		
Conversion Equipment								
Furnace	100%			2027	\$145,300	1	\$31,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
<i>Explanation : 50 Direct Fired Unit Heaters</i>								

**Air Conditioning**

Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Window/Wall Unit	10%			2022	\$12,900	1		
No Component	90%							

**Ventilation**

Exhaust Fans								
Wall Unit	100%			2027	\$22,000	2	\$2,000	

**Plumbing**

H/C Water Piping								
Brass/Copper	100%			2027	\$460,000	1		
Water Heater								
Electric	100%			2025	\$54,400	4	\$600	
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							

**Fire Suppression**

Standpipe								
Generic	100%			2027	\$257,200	1-5	\$32,600	

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ARTERIAL AND FLEET SERVICES OFFICE AND STOREHOUSE  
**Address** : 32-11 HARPER STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0092.010 / 2406 **Yr Built/Renovated** : 1937 / 2005  
**Area Sq Ft** : 11,436 **Project Type** : HIGHWAYS  
**Date of Survey** : 14-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 1790 **Lot** : 1 **BIN** : 4444576

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$367,200	
Interior Architecture	\$220,900	
Electrical	\$6,600	\$123,600
<b>Total</b>	<b>\$594,700</b>	<b>\$123,600</b>
Importance Code A	\$367,200	
Importance Code B	\$170,400	\$123,600
Importance Code C	\$57,200	
<b>Total</b>	<b>\$594,700</b>	<b>\$123,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$24,100		\$2,900	\$1,400
Interior Architecture	\$9,600	\$500	\$4,300	\$14,900
Electrical	\$9,600		\$10,000	
Mechanical	\$600	\$700	\$14,300	\$600
<b>Total</b>	<b>\$43,900</b>	<b>\$1,200</b>	<b>\$31,600</b>	<b>\$17,000</b>
Importance Code A	\$24,600	\$600	\$3,500	\$2,000
Importance Code B	\$19,300	\$700	\$28,100	\$15,000
Importance Code C				
<b>Total</b>	<b>\$43,900</b>	<b>\$1,200</b>	<b>\$31,600</b>	<b>\$17,000</b>



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**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL AND FLEET SERVICES OFFICE AND STOREHOUSE**

**Asset # : 2406**

Architecture	Current Repair			Future 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	\$149,400	LIFE	**	5	\$16,200	1
<i>Horizontal Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : West Facade, East Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : West Facade, East Facade</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 20%</i>								
<i>Location : North Facade</i>								
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%	Now	\$13,000	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bases Of Piers Along South Facade</i>								
Metal Coiling Doors	5%			2040	**	5	\$3,400	
Pre-Cast Concrete	5%	Now	\$3,600	LIFE	**	5	\$3,500	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North Facade, Widow Sills</i>								
Stucco Cement	10%			2032	**	5	\$5,400	
Windows								
Aluminum	50%			2043	**	5	\$2,800	
Glass Block	40%			LIFE	**	5	\$1,400	
Glass Block	10%	Now	\$5,700	LIFE	**	5	\$400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : West Facade</i>								
Parapets								
Masonry: Brick	95%	Now	\$43,200	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Corners</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%			2047	**	5	\$500	
Roof								
Modified Bitumen	95%	Now	\$93,900	2032	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Second Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Second Floor</i>								
Skylight, Metal/Glass	5%	Now	\$80,700	2037	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Over Mens Locker Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Over 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.

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL AND FLEET SERVICES OFFICE AND STOREHOUSE**

**Asset # : 2406**

<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	5%			2023	\$14,000	3	\$2,100	
Cast in Place Concrete	40%			LIFE	**	5	\$18,800	
Ceramic Tile	5%			2036	**	5	\$1,100	
Vinyl Tile	15%			2035	**	3	\$1,600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Offices On First Floor</i>								
Vinyl Tile 9" X 9"	25%			2022	\$60,400	3	\$2,000	
Wood	10%			2042	**	5	\$4,000	
<b>Interior Walls</b>								
Gypsum Board	15%			LIFE	**	5	\$1,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : First Floor Offices</i>								
Masonry: Brick	45%	Now	\$57,200	LIFE	**			
<i>Diagonal Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Storage Space</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Storage Space</i>								
Plaster	20%			LIFE	**	5	\$600	
Plywood/Hardboard	10%			LIFE	**			
SGFT/Glazed Masonry	10%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	15%			2032	**	5	\$3,200	
AcousTileSusp.Lay-In	15%			2044	**	5	\$3,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : First Floor Offices</i>								
Exposed Concrete	20%			LIFE	**	5	\$700	
Exposed Struc: Wood	25%	Now	\$103,300	LIFE	**			
<i>Split/Cracked, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Storage Area</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Storage Area</i>								
Gypsum Board	10%			LIFE	**	5	\$2,700	
Plaster	15%	Now	\$8,600	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Mens Locker Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Mens 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>	
<b>Under 600 Volts</b>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2027	\$99,700	5	\$300	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL AND FLEET SERVICES OFFICE AND STOREHOUSE**

**Asset # : 2406**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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%			2027	\$17,000	1		
Conduit	40%			2053	**	1		
Panelboards								
Molded Case Bkrs	50%			2035	**	5	\$200	
Molded Case Bkrs	20%			2026	\$6,100	5	\$100	
Molded Case Bkrs	30%			2049	**	5	\$100	
Wiring								
Braided Cloth	20%	2-4	\$9,500	2052	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Thermoplastic	50%			2027	\$23,900	1		
Thermoplastic	30%			2053	**	1		
Lighting								
Interior Lighting								
Fluorescent	10%			2022	\$6,600	10	\$1,000	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	80%			2035	**	10	\$8,400	
<i>T-8 Lamps And Fixtures, Extent : Moderate, 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 : Storage</i>								
Egress Lighting								
Emergency, Battery	50%			2035	**	10	\$1,400	
Exit, Service	50%			2035	**	1		
Exterior Lighting								
HID	20%			2022	\$8,800	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>	
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
Conversion Equipment								
Furnace	80%			2027	\$20,600	1	\$4,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
<i>Explanation : 30 Direct Fired Unit Heaters</i>								
Hot Water Boiler	20%			2047	**	1	\$1,100	

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL AND FLEET SERVICES OFFICE AND STOREHOUSE**

**Asset # : 2406**

<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	20%			2040	**	1	\$700
	No Component	80%						
<b>Air Conditioning</b>								
Energy Source								
	Electricity	100%			2035	**	1	
Conversion Equipment								
	Window/Wall Unit	60%			2022	\$13,700	1	
	No Component	40%						
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%			2037	**	1	
Water Heater								
	Electric	100%			2025	\$9,600	4	\$100
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ARTERIAL AND FLEET SERVICES STORAGE 1  
**Address** : 32-11 HARPER STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0092.040 / 2407 **Yr Built/Renovated** : 1937 / 1997  
**Area Sq Ft** : 1,758 **Project Type** : HIGHWAYS  
**Date of Survey** : 14-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 1790 **Lot** : 1 **BIN** : 4444576

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$89,100	
<b>Total</b>	<b>\$89,100</b>	
Importance Code A	\$89,100	
<b>Total</b>	<b>\$89,100</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$43,500		\$9,800	
Interior Architecture			\$10,000	
Electrical	\$10,300		\$2,100	
Mechanical	\$100	\$100	\$800	\$100
<b>Total</b>	<b>\$53,800</b>	<b>\$100</b>	<b>\$22,700</b>	<b>\$100</b>
Importance Code A	\$43,600	\$100	\$9,900	\$100
Importance Code B	\$10,300		\$12,800	
<b>Total</b>	<b>\$53,800</b>	<b>\$100</b>	<b>\$22,700</b>	<b>\$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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL AND FLEET SERVICES STORAGE 1**

**Asset # : 2407**

<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	85%	Now	\$89,100	LIFE	**	5	\$9,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Corners</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Facade, West Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Metal Coiling Doors	10%			2032	**	5	\$3,500	
Pre-Cast Concrete	5%	Now	\$3,800	LIFE	**	5	\$1,800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : At Window Sills, Building Base</i>								
<b>Windows</b>								
Glass Block	100%			LIFE	**	5	\$2,600	
<b>Parapets</b>								
Masonry: Brick	95%	Now	\$27,200	LIFE	**	5	\$1,500	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Corners</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%			2047	**	5	\$300	
<b>Roof</b>								
Modified Bitumen	95%			2032	**	10	\$7,900	
Skylight, Metal/Glass	5%	Now	\$12,500	2037	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	80%			LIFE	**	5	\$7,700	
Vinyl Tile 9" X 9"	20%			2022		3	\$300	
<b>Interior Walls</b>								
Masonry: Brick	100%			LIFE	**			
<b>Ceilings</b>								
Exposed Struc: Wood	100%			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>	
<b>Under 600 Volts</b>								
<b>Raceway</b>								
Conduit	100%			2027	\$3,800	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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL AND FLEET SERVICES STORAGE 1**

**Asset # : 2407**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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	20%			2035	**	5		
Fused Toggle Switch	80%	2-4	\$6,100	2052	**	5		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Receiving Office Room</i>								
<hr/>								
<b>Wiring</b>								
Braided Cloth	50%	2-4	\$4,200	2052	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Thermoplastic	50%			2037	**	1		
<hr/>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	95%			2027	\$3,700	10	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Using T-12 Lamps</i>								
HID	5%			2022	\$700	10		
<hr/>								
<b>Exterior Lighting</b>								
HID	20%			2022	\$1,400	10		
No Component	80%							
<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>								
<b>Energy Source</b>								
Natural Gas	100%			2037	**	1		
<hr/>								
<b>Conversion Equipment</b>								
Furnace	100%			2027	\$4,000	1	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
<i>Explanation : 2 Direct Fired Unit Heaters</i>								
<hr/>								
<b>Air Conditioning</b>								
<b>Energy Source</b>								
Electricity	100%			2035	**	1		
<hr/>								
<b>Conversion Equipment</b>								
Window/Wall Unit	20%			2022	\$700	1		
No Component	80%							
<hr/>								
<b>Ventilation</b>								
<b>Exhaust Fans</b>								
Wall Unit	100%			2027	\$600	2	\$100	
<hr/>								
<b>Plumbing</b>								
<b>Storm Drain 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.

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BAYRIDGE GARAGE  
**Address** : 8501 FIFTH AVENUE @ 85TH ST.  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0203.000 / 14316 **Yr Built/Renovated** : 1972 /  
**Area Sq Ft** : 88,950 **Project Type** : HIGHWAYS  
**Date of Survey** : 14-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2,3,4  
**Block** : 6036 **Lot** : 1 **BIN** : 3153196

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$362,100	\$56,100
Interior Architecture	\$733,400	\$119,200
Electrical	\$740,700	\$116,000
<b>Total</b>	<b>\$1,836,300</b>	<b>\$291,300</b>
Importance Code A	\$362,100	\$56,100
Importance Code B	\$1,474,200	\$235,200
<b>Total</b>	<b>\$1,836,300</b>	<b>\$291,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$117,100		\$6,300	
Interior Architecture	\$58,200			\$1,800
Electrical		\$1,700	\$2,000	\$3,100
Mechanical	\$1,200		\$3,200	
Site Pavements	\$25,000			
Elevators/Escalators	\$7,900	\$7,900	\$7,900	\$7,900
<b>Total</b>	<b>\$209,300</b>	<b>\$9,600</b>	<b>\$19,400</b>	<b>\$12,800</b>
Importance Code A	\$117,300		\$6,300	
Importance Code B	\$47,600	\$9,600	\$13,100	\$12,700
Importance Code C	\$44,400			\$100
<b>Total</b>	<b>\$209,300</b>	<b>\$9,600</b>	<b>\$19,400</b>	<b>\$12,800</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BAYRIDGE GARAGE**  
**Asset # : 14316**

Architecture		Current Repair		Future Replacement		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	35%	Now	\$32,300	LIFE	**	5	\$56,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Adjacent To Main Entrance To The Garage And Other Areas Throughout</i>								
Concrete Masonry Unit	10%	Now	\$26,900	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Elevation</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade</i>								
Masonry: Brick	16%	Now	\$15,800	LIFE	**	5	\$5,100	
<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>								
Masonry: Granite	2%	Now	\$1,500	LIFE	**	5	\$500	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Panel	15%			2039	**	5-10	\$33,100	
Metal Coiling Doors	2%	0-2	\$11,100	2042	**	5	\$1,000	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Right Garage Door</i>								
Pre-Cast Concrete	10%	Now	\$10,800	LIFE	**	5	\$10,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Window Wall	10%			2049	**	5	\$12,000	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : West And South Sides</i>								
<i>Explanation : Sections Of The First Floor Are Occupied By A School, Bank And Stores</i>								
Windows								
Metal Louvers	100%			2038	**	10	\$12,100	
Parapets								
Cast in Place Concrete	50%			LIFE	**	5	\$29,800	
Concrete Masonry Unit	15%			LIFE	**	5-10	\$2,400	
Metal Rail	20%			2042	**	5-10	\$10,400	
Metal: Cage/Fence	15%	4+	\$1,800	2034	**	5	\$1,400	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : East Facade</i>								
Roof								
Traffic Topping	95%	Now	\$362,100	2039	**			
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bulkhead</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Top Parking Level</i>								
Not Accessible	5%							
Soffits								
Cast in Place Concrete	100%			LIFE	**	5		

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**BAYRIDGE GARAGE**  
**Asset # : 14316**

Architecture		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	\$64,300	LIFE	**	5	\$66,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Near Basement Entrance, Main Drive And Entrance</i>								
Ceramic Tile	2%			2038	**	5	\$2,400	
Traffic Topping	70%	Now	\$536,700	2034	**	5	\$53,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : All Parking Levels</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : All Parking Levels</i>								
Vinyl Tile	3%	0-2	\$31,500	2039	**	3	\$1,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Office</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Office</i>								
Interior Walls								
Cast in Place Concrete	70%			LIFE	**	10	\$20,300	
Ceramic Tile	2%			2038	**	5	\$200	
Concrete Masonry Unit	20%	Now	\$2,600	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	8%	Now	\$3,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceilings								
Exposed Concrete	100%			LIFE	**	5-10	\$151,400	
Site Enclosure								
Fence/Gates								
Chain Link	90%			2049	**			
Iron Picket	10%			2064	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	98%	Now	\$7,100	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Pavers/Stone	2%	Now	\$100	2038	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$17,700	2049	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : East Side Of Building</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BAYRIDGE GARAGE**  
**Asset # : 14316**

<b>Electrical</b>	<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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	\$2,600	5	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : The Main Service Switch Rated At 800 Amperes, It Is Old But It Is In Satisfactory Condition.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	\$49,900	5	\$2,300	
Raceway								
Conduit	100%			2029	\$9,600	1		
Panelboards								
Fused Disc Sw	20%			2028	\$6,100	5	\$400	
Molded Case Bkrs	80%			2028	\$24,400	5	\$1,900	
Wiring								
Thermoplastic	100%			2029	\$20,800	1		
Motor Controllers								
Locally Mounted	100%			2027	\$66,100	5	\$600	
<b>Ground</b>								
Grounding Devices								
Not Accessible	100%							
<b>Lighting</b>								
Interior Lighting								
Fluorescent	100%	Now	\$180,900	2039		**		
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
Exterior Lighting								
Fluorescent	50%	0-2	\$145,500	2039		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside The Building</i>								
<i>Explanation : The Exterior Lighting Fixtures Are Old Compact Fluorescent Fixtures Which Are In A State Of Disrepair.</i>								
HID	50%	0-2	\$171,400	2039		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : These HID Fixtures Obsolete.</i>								
<b>Alarm</b>								
Security System								
No Component	80%							
Generic	20%	0-2	\$54,900	2039		**	1	\$6,000
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st And 2nd Levels</i>								
<i>Explanation : The CCTV Surveillance Camera System Is Functional, But It Is Old And Antiquated.</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**BAYRIDGE GARAGE**  
**Asset # : 14316**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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

80%

Generic, Analog

20% 0-2

\$188,000

2039

\* \*

1-3

\$10,000

*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : Fire Alarm System Is Old And Antiquated.*

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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%

2039

\* \*

1

## Conversion Equipment

Radiant Heater

2% 0-2

\$300

2039

\* \*

2

*Damaged, Extent : Severe, Area Affected : 3%**Location : Restroom*

Radiant Heater

2%

2029

\$300

2

*Other Observation, Extent : Light, Area Affected : 2%**Location : 1st Floor Office**Explanation : Electric Unit Heater*

No Component

96%

## Air Conditioning

## Energy Source

Electricity

100%

2037

\* \*

1

## Conversion Equipment

Window/Wall Unit

2%

2022

\$3,200

1

No Component

98%

## Plumbing

## H/C Water Piping

Brass/Copper

5%

2039

\* \*

1

No Component

95%

## Sanitary Piping

Cast Iron

100%

LIFE

\* \*

1

## Sump Pump(s)

Non-Submersible

100%

2024

\$13,000

4

\$2,800

## Vertical Transport

## Elevators

Hydraulic

100%

LIFE

\* \*

*Other Observation, Extent : Light, Area Affected : 100%**Location : Level 1 - Roof**Explanation : 2 Units*

## Fire Suppression

## Standpipe

Generic

100%

2039

\* \*

1-5

\$400

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**BAYRIDGE GARAGE**  
**Asset # : 14316**

<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	98%							
	Generic	2%			2039	**	1-2		

*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.*

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BRIDGES IRON SHOP  
**Address** : 59 ADAMS STREET UNDER MANHATTAN BRIDGE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0216.000 / 14714 **Yr Built/Renovated** : 1910 /  
**Area Sq Ft** : 17,412 **Project Type** : HIGHWAYS  
**Date of Survey** : 12-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 39 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$657,300	
Interior Architecture	\$270,400	\$51,300
Electrical		\$117,900
<b>Total</b>	<b>\$927,800</b>	<b>\$169,200</b>
Importance Code A	\$657,300	
Importance Code B	\$194,900	\$169,200
Importance Code C	\$75,500	
<b>Total</b>	<b>\$927,800</b>	<b>\$169,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$12,500		\$2,600	
Interior Architecture	\$26,200			\$1,700
Electrical	\$11,200	\$1,600	\$2,200	\$1,600
Mechanical	\$13,400	\$1,500	\$9,400	\$1,500
Site Pavements	\$8,400			
<b>Total</b>	<b>\$71,700</b>	<b>\$3,100</b>	<b>\$14,200</b>	<b>\$4,800</b>
Importance Code A	\$13,800	\$400	\$3,800	\$400
Importance Code B	\$57,900	\$2,700	\$10,400	\$3,500
Importance Code C				\$900
<b>Total</b>	<b>\$71,700</b>	<b>\$3,100</b>	<b>\$14,200</b>	<b>\$4,800</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BRIDGES IRON SHOP**  
**Asset # : 14714**

Architecture		Current Repair		Future Replacement		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	95%	Now	\$133,000	LIFE	**	5	\$19,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Expansion Jnt Failure, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	5%			2042	**	5	\$5,200	
Windows								
Steel	100%	2-4	\$72,500	2054	**	5	\$8,500	
<i>Air Infiltration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$4,400	LIFE	**	5	\$2,600	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	90%	Now	\$8,100	LIFE	**	5	\$3,400	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Roof								
Plaza Roof: Stone Panels	100%	Now	\$451,800	2039	**			
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Bulging And Displaced</i>								
Interior								
Floors								
Cast in Place Concrete	90%			LIFE	**	5	\$102,600	
Ceramic Tile	5%			2038	**	5	\$1,300	
Vinyl Tile	5%	Now	\$11,300	2039	**	3	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BRIDGES IRON SHOP**  
**Asset # : 14714**

<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	\$1,800	
Concrete Masonry Unit	95%	0-2	\$75,500	LIFE	**	5	\$13,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	70%	0-2	\$143,600	2049	**	5	\$8,700	
<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>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	30%			LIFE	**	10	\$14,900	
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%	Now	\$8,400	2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</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>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2055	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 1200 Ampere Main Disconnect Switch. Installed Approximately Two Years Ago.</i>								
<b>Transformers</b>								
Dry Type	50%			2046	**	5		
Dry Type	50%			2042	**	5		
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%			2039	**	5	\$100	
<b>Raceway</b>								
Conduit	100%			2039	**	1		
<b>Panelboards</b>								
Fused Disc Sw	20%			2037	**	5	\$100	
Molded Case Bkrs	80%			2037	**	5	\$400	
<b>Wiring</b>								
Thermoplastic	100%			2039	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**DEPARTMENT OF TRANSPORTATION - 841**  
**BRIDGES IRON SHOP**  
**Asset # : 14714**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>Motor Controllers</b>								
Locally Mounted	80%			2034	**	5	\$100	
Locally Mounted	20%			2042	**	5		
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	60%			2024	\$23,300	10	\$9,600	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 60%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	5%			2029	\$1,900	10	\$800	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 5%</i>								
<i>Location : First Floor</i>								
HID	35%			2029	\$50,800	10	\$200	
<b>Egress Lighting</b>								
Emergency, Battery	50%			2029	\$12,000	10	\$2,100	
Exit, Battery	50%			2034	**	10	\$600	
<b>Exterior Lighting</b>								
HID	100%			2029	\$67,100	10	\$100	
<b>Alarm</b>								
<b>Security System</b>								
Generic	50%			2034	**	1	\$3,300	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : At Doors</i>								
<i>Explanation : Intrusion Alarm System</i>								
Generic	50%			2034	**	1	\$3,300	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : At Doors</i>								
<i>Explanation : CCTV Cameras</i>								
<b>Fire/Smoke Detection</b>								
Generic, Digital	100%			2034	**	1-3	\$10,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Manual Pull Stations, Horns, Strobes And 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>	
<b>Heating</b>								
<b>Energy Source</b>								
Natural Gas	100%			2049	**	1		
<b>Conversion Equipment</b>								
Furnace	50%			2034	**	1	\$4,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units</i>								
Radiant Heater	50%			2034	**	2	\$4,000	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**DEPARTMENT OF TRANSPORTATION - 841**  
**BRIDGES IRON SHOP**  
**Asset # : 14714**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$15,400	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	30%			2034	**	2	\$300	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Roof</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 2 Units</i>						
Split Unit	10%			2034	**			
No Component	60%							
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$28,300	
<b>Ventilation</b>								
Exhaust Fans								
Roof	40%			2034	**	2	\$200	
Wall Unit	60%			2034	**	2	\$300	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2049	**	1		
Water Heater								
Gas Fired	100%			2027	\$10,200	2	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : 200 Gallons</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%			2049	**	1-5	\$8,800	
Sprinkler								
Generic	100%			2049	**	1-2	\$4,900	

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BRONX COMMISSIONER OFFICE  
**Address** : 1400 WILLIAMSBRIDGE ROAD @ ROBERTS AVE.  
**Borough** : BRONX Agency's Number : N/A  
**Program / Asset #** : DOT0215.000 / 14713 Yr Built/Renovated : 1926 / 2014  
**Area Sq Ft** : 29,626 Project Type : HIGHWAYS  
**Date of Survey** : 17-Jul-2018 Landmark Status : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 4074 Lot : 1 BIN : 2044091

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$173,100	\$81,600
Interior Architecture		\$192,400
Electrical		\$568,200
Mechanical	\$621,200	\$236,000
<b>Total</b>	<b>\$794,300</b>	<b>\$1,078,200</b>
Importance Code A	\$173,100	\$81,600
Importance Code B	\$621,200	\$996,600
<b>Total</b>	<b>\$794,300</b>	<b>\$1,078,200</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$34,000			
Interior Architecture	\$75,700		\$6,700	\$5,700
Electrical	\$31,200	\$2,200	\$2,300	\$3,100
Mechanical	\$25,400	\$2,400	\$14,100	\$2,400
Site Enclosure	\$400			
Site Pavements	\$14,200			
<b>Total</b>	<b>\$180,700</b>	<b>\$4,600</b>	<b>\$23,000</b>	<b>\$11,200</b>
Importance Code A	\$35,500	\$1,500	\$1,500	\$1,500
Importance Code B	\$89,600	\$3,200	\$21,600	\$7,900
Importance Code C	\$55,600			\$1,800
<b>Total</b>	<b>\$180,700</b>	<b>\$4,600</b>	<b>\$23,000</b>	<b>\$11,200</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.  
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**DEPARTMENT OF TRANSPORTATION - 841**  
**BRONX COMMISSIONER OFFICE**  
**Asset # : 14713**

Architecture		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	88%			LIFE	**	5	\$80,500	
		<i>Recent Repair Evident, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Throughout</i>						
Masonry: Limestone	5%			LIFE	**	5	\$3,400	
		<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>						
		<i>Location : Window Sills</i>						
Metal, Corrugated	2%			2039	**	1		
Granite Panels	5%			LIFE	**	5	\$3,400	
<b>Windows</b>								
Wood	100%	Now	\$94,700	2037	**	5	\$41,300	
		<i>Air Infiltration, Extent : Severe, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
		<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
		<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : Throughout</i>						
<b>Parapets</b>								
Masonry: Brick	60%			LIFE	**	5-10	\$35,800	
		<i>Recent Repair Evident, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Main Roof</i>						
Masonry: Limestone	40%			LIFE	**	5-10	\$42,600	
		<i>Recent Replace Evident, Extent : Light, Area Affected : 40%</i>						
		<i>Location : Cornice</i>						
<b>Roof</b>								
Modified Bitumen	100%			2037	**	10	\$25,400	
		<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Main Roof</i>						
<b>Interior</b>								
<b>Floors</b>								
Carpet	30%			2028	\$173,300	3	\$20,000	
		<i>Recent Replace Evident, Extent : Light, Area Affected : 75%</i>						
		<i>Location : Second Floor Offices</i>						
Cast in Place Concrete	5%			LIFE	**	5	\$9,700	
Ceramic Tile	5%			2038	**	5	\$2,200	
Marble Panels	5%			LIFE	**	5	\$3,300	
Terrazzo	5%			LIFE	**	5	\$3,500	
Vinyl Tile	50%			2029	\$192,400	3	\$11,100	

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**BRONX COMMISSIONER OFFICE**  
**Asset # : 14713**

Architecture		Current 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>								
Ceramic Tile	5%			2038	**	5	\$3,600	
Concrete Masonry Unit	5%			LIFE	**	5	\$2,900	
Gypsum Board	60%	Now	\$3,700	LIFE	**	5	\$26,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement By Water Utility Entrance</i>								
Masonry: Brick	10%	Now	\$28,800	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Marble Panels	5%			LIFE	**	10	\$1,400	
Plaster	15%	Now	\$8,900	LIFE	**	5	\$3,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair Bulkhead</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	80%	Now	\$13,900	2042	**	5	\$16,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Exposed Concrete	5%			LIFE	**	5-10	\$2,600	
Plaster	15%	Now	\$4,200	LIFE	**	5	\$3,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stair Bulkhead At Roof</i>								
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	55%			2039	**			
Iron Picket	10%			2049	**			
Masonry: Fieldstone	35%	Now	\$400	2039	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Rear Parking Area</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Rear Parking Area</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%	Now	\$3,100	2034	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Sidewalk Next To Parking Entry</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Sidewalk Next To Parking Entry</i>								
<b>On-Site Walkways</b>								
Cast in Place Concrete	90%			2034	**			
Pavers/Stone	10%			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.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BRONX COMMISSIONER OFFICE**  
**Asset # : 14713**

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

## Site Pavements

## Parking/Driveway

Cast in Place Concrete	100%	Now	\$11,100	2034	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Parking Area</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Parking Area</i>								

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

## Under 600 Volts

## Service Equipment

Fused Disc Sw	100%			2029	\$8,500	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 600 Ampere Main Disconnect Switch</i>								

## Switchgear / Switchboard

Molded Case Bkrs	100%			2029	\$124,700	5	\$800	
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## Raceway

Conduit	90%			2029	\$54,500	1		
Conduit	10%			2049	**	1		

## Panelboards

Fused Disc Sw	5%			2028	\$3,100	5		
Molded Case Bkrs	70%			2028	\$42,700	5	\$500	
Molded Case Bkrs	25%			2045	**	5	\$200	

## Wiring

Braided Cloth	30%	2-4	\$24,900	2054	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	40%			2029	\$33,200	1		
Thermoplastic	30%			2049	**	1		

## Motor Controllers

Locally Mounted	90%			2027	\$27,100	5	\$200	
Locally Mounted	10%	2-4	\$3,000	2049	**	5		
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								

## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$900	
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## Alarm

## Security System

No Component	50%							
Generic	50%			2034	**	1	\$5,500	

## Fire/Smoke Detection

Generic, Analog	100%			2024	\$313,100	1-3	\$18,800	
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**BRONX COMMISSIONER OFFICE**  
**Asset # : 14713**

Mechanical		Current 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%			2034	**	1	\$14,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : 2 Units</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2028	\$44,100	4	\$2,200	
Terminal Devices								
Convactor/Radiator	100%			2027	\$151,600	1	\$9,600	
Air Conditioning								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Interior Pkg Unit - Cooling	50%	Now	\$529,400	2034	**	2	\$700	
<i>Broken, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
Exterior Pkg Unit - Cooling	40%	Now	\$91,700	2039	**	2	\$600	
<i>Broken, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Roof Above Stairs</i>								
<i>R-22 Refrigerant, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof, Top Of Staircase</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Roof, Top Of Staircase</i>								
<i>Explanation : On Extended Life</i>								
Split Unit	5%			2024	\$30,200			
Window/Wall Unit	5%			2024	\$3,000	1		
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$48,200	
Heat Rejection								
Air Cooled Condenser Unit	15%	0-2	\$8,600	2039	**	2	\$2,500	
<i>Abandoned in Place, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Roof, Top Of Staircase</i>								
<i>Explanation : Obsolete Unit</i>								
No Component	85%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$10,500	
No Component	60%							

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**BRONX COMMISSIONER OFFICE**  
**Asset # : 14713**

<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	40%			2024	\$40,300	2	\$400
	No Component	60%						
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2039	**	1	
	Water Heater							
	Gas Fired	100%			2024	\$17,300	2	\$400
			<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	
	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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : CASTLETON DEPOT  
**Address** : 5 DUBOIS AVENUE @ HURST ST.  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : DOT0220.000 / 14718 **Yr Built/Renovated** : 1980 / 2013  
**Area Sq Ft** : 32,500 **Project Type** : HIGHWAYS  
**Date of Survey** : 29-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 215 **Lot** : 100 **BIN** : 5104536

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$721,600	\$167,800
Interior Architecture	\$210,700	\$95,800
Mechanical		\$892,800
<b>Total</b>	<b>\$932,300</b>	<b>\$1,156,400</b>
Importance Code A	\$721,600	\$222,700
Importance Code B	\$170,800	\$933,700
Importance Code C	\$40,000	
<b>Total</b>	<b>\$932,300</b>	<b>\$1,156,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$43,300			
Interior Architecture	\$21,600		\$1,800	\$600
Electrical	\$600	\$100	\$200	\$500
Mechanical	\$14,300	\$3,500	\$2,900	\$3,200
Site Enclosure	\$500			
<b>Total</b>	<b>\$80,300</b>	<b>\$3,700</b>	<b>\$4,800</b>	<b>\$4,300</b>
Importance Code A	\$54,600	\$1,600	\$1,600	\$1,600
Importance Code B	\$18,000	\$2,100	\$3,200	\$2,100
Importance Code C	\$7,700			\$600
<b>Total</b>	<b>\$80,300</b>	<b>\$3,700</b>	<b>\$4,800</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**CASTLETON DEPOT**  
**Asset # : 14718**

Architecture		Current 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>								
Cement-Fiber Panel	76%	Now	\$50,400	2029	\$167,800			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Cement-Fiber Panel	4%			2039	**	10	\$3,800	
Metal Sect. OHD	20%	Now	\$19,500	2042	**	5	\$9,500	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : South West Door</i>								
<b>Windows</b>								
Aluminum	100%			2054	**	5	\$500	
<b>Parapets</b>								
Cast Stone/Terra Cotta	10%	0-2	\$1,100	LIFE	**	5	\$3,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	90%			LIFE	**	5-10	\$26,500	
<b>Roof</b>								
Single Ply Membrane	100%	Now	\$671,200	2039	**			
<i>Blisters, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Drains Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Gravel/Stone Ballast, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Mechanically Attached, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Lower Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	90%	0-2	\$92,900	LIFE	**	5	\$95,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	3%			2032	**	5	\$1,500	
Quarry Tile	2%			2042	**	5	\$1,500	
Vinyl Tile	5%			2034	**	3	\$900	

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**CASTLETON DEPOT**  
**Asset # : 14718**

Architecture		Current 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%			2038	**	5	\$1,200	
Concrete Masonry Unit	75%	Now	\$40,000	LIFE	**	5	\$7,000	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	15%	Now	\$7,000	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Plaster	5%			LIFE	**	5-10	\$1,000	
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$2,000	2042	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	15%	Now	\$12,000	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout South Garage</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout South Garage</i>								
Exposed Struc: Steel	80%			LIFE	**	10	\$77,800	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Free Standing Walls								
Concrete Masonry Unit	100%			2049	**			
Retaining Walls								
Cast in Place Concrete	100%	Now	\$500	2049	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**CASTLETON DEPOT**  
**Asset # : 14718**

Architecture		Current 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%			2032	**			
Cast in Place Concrete	20%			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%			2029	\$1,500	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%*

*Location : Electrical Room - Shop Area*

*Explanation : One 800 And One 600 Ampere Main Disconnect Switch*

## Switchgear / Switchboard

Fused Disc Sw	50%			2029	\$12,500	5	\$100	
Molded Case Bkrs	50%			2029	\$12,500	5	\$400	

## Raceway

Conduit	100%			2039	**	1		
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## Panelboards

Fused Disc Sw	5%			2028	\$800	5		
Molded Case Bkrs	85%			2028	\$13,000	5	\$700	
Molded Case Bkrs	10%			2051	**	5	\$100	

## Wiring

Thermoplastic	95%			2029	\$7,900	1		
Thermoplastic	5%			2055	**	1		

## Motor Controllers

Locally Mounted	100%			2027	\$29,400	5	\$200	
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$1,000	
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## Lighting

## Interior Lighting

LED	100%			2039	**			
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## Egress Lighting

Emergency, Battery	50%			2039	**	10	\$3,900	
Exit, LED	50%			2069	**	1		

## Exterior Lighting

LED	100%			2039	**			
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## Alarm

## Fire/Smoke Detection

No Component	95%							
Generic, Analog	5%			2024	\$17,200	1-3	\$1,000	

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

*Location : Outside The Building*

*Explanation : Only In Gas Pump Station*

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**CASTLETON DEPOT**  
**Asset # : 14718**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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								
Furnace	75%	0-2	\$11,000	2029	\$54,900	1	\$10,800	
			<i>Malfunctioning, Extent : Severe, Area Affected : 75%</i>					
			<i>Location : Two Out Of Twelve Units Not Working On The First Floor</i>					
Hot Water Boiler	25%			2034	**	1	\$4,000	
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Room 203</i>					
			<i>Explanation : 1 Unit</i>					
Distribution								
Hot Wtr Piping/Pump	25%			2037	**	4	\$600	
No Component	75%							
Terminal Devices								
Fan Coil Unit/Heat	15%			2029	\$69,800	1	\$1,600	
Unit Heater - Steam	10%			2029	\$11,100	4	\$400	
No Component	75%							
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2037	**	1		
Conversion Equipment								
Interior Pkg Unit - Cooling	20%			2027	\$232,300	2	\$400	
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Room 202</i>					
Window/Wall Unit	10%			2024	\$6,500	1		
No Component	70%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$5,700	
No Component	80%							
Exhaust Fans								
Interior	20%			2029	\$22,100	2	\$200	
No Component	80%							
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2029	\$231,600	1		
Water Heater								
Gas Fired	100%			2027	\$18,900	2	\$500	
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							

**Fire Suppression**

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**CASTLETON DEPOT**  
**Asset # : 14718**

<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	Sprinkler							
	Generic	100%			2029	\$304,200	1-2	\$9,100

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : COURT SQUARE-GARAGE  
**Address** : COURT SQUARE AND THOMSON AVE  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0123.000 / 2422 **Yr Built/Renovated** : 1989 /  
**Area Sq Ft** : 241,855 **Project Type** : HIGHWAYS  
**Date of Survey** : 06-Dec-2017 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1  
**Block** : 83 **Lot** : 18 **BIN** : 4000699

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$237,800	\$441,900
Interior Architecture	\$478,600	\$850,400
Electrical		\$3,400,300
Mechanical		\$1,602,400
<b>Total</b>	<b>\$716,400</b>	<b>\$6,295,100</b>
Importance Code A	\$237,800	\$564,800
Importance Code B	\$393,700	\$5,695,000
Importance Code C	\$84,900	\$35,300
<b>Total</b>	<b>\$716,400</b>	<b>\$6,295,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$16,000		\$12,900	
Interior Architecture	\$14,100		\$4,700	\$800
Electrical	\$5,400	\$1,800	\$5,000	\$1,800
Mechanical	\$22,100	\$7,300	\$10,100	\$11,800
Site Enclosure	\$5,700			
Site Pavements	\$3,600			
Elevators/Escalators	\$7,900	\$7,900	\$7,900	\$7,900
<b>Total</b>	<b>\$74,800</b>	<b>\$17,000</b>	<b>\$40,600</b>	<b>\$22,300</b>
Importance Code A	\$16,000	\$700	\$12,900	\$700
Importance Code B	\$50,600	\$16,300	\$27,700	\$21,600
Importance Code C	\$8,200			
<b>Total</b>	<b>\$74,800</b>	<b>\$17,000</b>	<b>\$40,600</b>	<b>\$22,300</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**COURT SQUARE-GARAGE**  
**Asset # : 2422**

Architecture		Current Repair		Future Replacement		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	45%	4+	\$61,100	LIFE	**	5	\$265,200	
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Southwest Facade</i>								
Cast in Place Concrete	30%			LIFE	**	5	\$353,500	
Concrete Masonry Unit	2%	Now	\$2,000	LIFE	**	5	\$1,500	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Stair B And F Roof Bulkheads</i>								
Masonry: Brick	15%	4+	\$10,900	LIFE	**	5	\$17,700	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Southeast Corner By Stair Exit Door</i>								
Metal: Cage/Fence	5%			2042	**	5	\$25,800	
Window Wall	3%			2049	**	5	\$13,300	
Windows								
Aluminum	100%			2045	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Level</i>								
<i>Explanation : Stair Tower Windows</i>								
Parapets								
Cast in Place Concrete	95%	4+	\$2,500	LIFE	**	5	\$20,300	
<i>Diagonal Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Rail	5%	4+	\$100	2042	**	5	\$700	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rail Supports</i>								
Roof								
Cast in Place Concrete	95%	Now	\$500	LIFE	**			
<i>Expansion Jnt Failure, Extent : Severe, Area Affected : 5%</i>								
<i>Location : All Stair Locations, Building Corners</i>								
Copper/Terne	5%			2057	**	10	\$500	
Interior								
Floors								
Cast in Place Concrete	97%	Now	\$69,000	LIFE	**	5	\$710,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : West Car Entry Area</i>								
Ceramic Tile	1%			2032	**	5	\$3,400	
Vinyl Tile	2%	2-4	\$11,600	2024	\$58,100	3	\$2,500	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Office</i>								
Interior Walls								
Cast in Place Concrete	18%			LIFE	**	10	\$49,600	
Concrete Masonry Unit	80%			LIFE	**	5	\$70,600	
Gypsum Board	2%			LIFE	**	5-10	\$3,800	
Ceilings								
AcousTileSusp.Lay-In	2%			2042	**	5	\$6,100	
Exposed Concrete	98%			LIFE	**	5-10	\$371,100	

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**COURT SQUARE-GARAGE**  
**Asset # : 2422**

<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>								
<b>Fence/Gates</b>								
Chain Link	100%			2049	**			
<b>Free Standing Walls</b>								
Cast in Place Concrete	5%	Now		2049	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Missing Deteriorated Joints At Cast Stone Copings</i>								
Masonry: Brick	83%	Now	\$5,700	2039	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Northeast Corner</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	12%			2059	**			
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%	Now	\$3,600	2034	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : West Side Of Building</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>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2039	**	5	\$1,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 1200 Ampere Main Disconnect Switch</i>								
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%			2039	**	5	\$1,000	
<b>Raceway</b>								
Conduit	100%			2039	**	1		
<b>Panelboards</b>								
Fused Disc Sw	5%			2037	**	5	\$300	
Molded Case Bkrs	95%			2037	**	5	\$6,000	
<b>Wiring</b>								
Thermoplastic	100%			2039	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2034	**	5	\$1,600	
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$7,100	

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**COURT SQUARE-GARAGE**  
**Asset # : 2422**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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	2%			2029	\$10,800	10	\$4,400	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Office</i>								
HID	98%			2029	\$1,976,700	10	\$7,700	
<b>Egress Lighting</b>								
Emergency, Battery	70%			2029	\$233,000	10	\$40,900	
Exit, Battery	30%			2029	\$68,200	10	\$4,900	
<b>Exterior Lighting</b>								
HID	100%			2029	\$932,200	10	\$700	
<b>Alarm</b>								
<b>Security System</b>								
No Component	80%							
Generic	20%			2029	\$149,400	1	\$18,100	
<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 Electricity	100%			2039	**	1		
<b>Conversion Equipment</b>								
Radiant Heater	3%			2029	\$122,900	2	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 3%</i>								
<i>Location : 1st Level</i>								
<i>Explanation : Management Office And Sprinkler Room Only</i>								
No Component	97%							
<b>Terminal Devices</b>								
Fan Coil Unit/Heat	3%			2029	\$3,100	1	\$2,300	
No Component	97%							
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2037	**	1		
<b>Conversion Equipment</b>								
Window/Wall Unit	2%			2024	\$9,600	1		
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : 1st Level</i>								
<i>Explanation : Management Office Only</i>								
No Component	98%							
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	2%			LIFE	**	2-5	\$4,300	
No Component	98%							
<b>Exhaust Fans</b>								
Interior	2%			2029	\$16,500	2	\$200	
No Component	98%							

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**DEPARTMENT OF TRANSPORTATION - 841**  
**COURT SQUARE-GARAGE**  
**Asset # : 2422**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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	3%			2039	**	1		
No Component	97%							
<hr/>								
Water Heater								
Electric	2%			2022	\$4,100	4		
No Component	98%							
<hr/>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
<hr/>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
<hr/>								
Sump Pump(s)								
Submersible	100%			2020	\$7,800	4	\$7,700	
<hr/>								
Fixtures								
Generic	100%							
<hr/>								
<b>Vertical Transport</b>								
Elevators								
Hydraulic	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st To 4th Floor</i>								
<i>Explanation : Two Units</i>								
<hr/>								
<b>Fire Suppression</b>								
Standpipe								
Generic	100%			2029	\$963,500	1-5	\$126,500	
<hr/>								
Sprinkler								
No Component	80%							
Generic	20%			2029	\$452,800	1-2	\$13,500	
<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.

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : DELANCEY - ESSEX GARAGE  
**Address** : 107 ESSEX STREET  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0205.000 / 14318 **Yr Built/Renovated** : 1972 /  
**Area Sq Ft** : 130,000 **Project Type** : HIGHWAYS  
**Date of Survey** : 10-Jan-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,5  
**Block** : 410 **Lot** : 38 **BIN** : 1005326

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$53,800	\$155,400
Interior Architecture	\$608,200	\$379,500
Electrical	\$137,400	\$422,900
Mechanical		\$77,900
<b>Total</b>	<b>\$799,500</b>	<b>\$1,035,800</b>
Importance Code A	\$53,800	\$155,400
Importance Code B	\$706,700	\$880,400
Importance Code C	\$39,000	
<b>Total</b>	<b>\$799,500</b>	<b>\$1,035,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$55,100	\$32,900	\$5,300	
Interior Architecture	\$900		\$1,800	\$400
Electrical	\$20,800	\$1,200	\$1,200	\$3,200
Mechanical	\$8,200			
Elevators/Escalators	\$11,800	\$11,800	\$11,800	\$11,800
<b>Total</b>	<b>\$96,800</b>	<b>\$46,000</b>	<b>\$20,100</b>	<b>\$15,500</b>
Importance Code A	\$55,100	\$32,900	\$5,300	
Importance Code B	\$41,200	\$13,100	\$14,800	\$15,500
Importance Code C	\$500			
<b>Total</b>	<b>\$96,800</b>	<b>\$46,000</b>	<b>\$20,100</b>	<b>\$15,500</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**DELANCEY - ESSEX GARAGE**  
**Asset # : 14318**

Architecture		Current Repair		Future 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%			LIFE	**	5	\$50,200	
Masonry: Brick	15%			LIFE	**	5	\$15,100	
Metal Panel	3%			2049	**	5-10	\$10,400	
Metal Coiling Doors	5%			2042	**	5	\$7,800	
Metal: Cage/Fence	30%			2046	**	5	\$65,900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : East And West Elevations</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : East And West Elevations</i>								
<i>Explanation : This Is Actually A Steel Cable Screen System</i>								
Pre-Cast Concrete	33%			LIFE	**	5	\$107,700	
Window Wall	4%	Now	\$2,000	2049	**	5	\$3,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : 1st Floor East Elevation</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor East Elevation</i>								
<i>Explanation : This Is Actually A Glass Panel Wall System</i>								
Windows								
Aluminum	98%			2045	**	5	\$3,000	
Metal Louvers	2%			2038	**	10	\$400	
Parapets								
Cast in Place Concrete	20%			LIFE	**	5	\$12,400	
Masonry: Brick	5%			LIFE	**	5-10	\$1,000	
Metal Panel	2%			2049	**	5	\$200	
Metal: Cage/Fence	10%			2042	**	5-10	\$2,300	
Pre-Cast Concrete	63%			LIFE	**	5	\$23,900	
Roof								
Traffic Topping	95%			2034	**	10	\$101,600	
Not Accessible	5%							
Soffits								
Stucco Cement	100%			2042	**	5		
Interior								
Floors								
Cast in Place Concrete	98%			LIFE	**	5	\$759,000	
Vinyl Tile	2%			2024		3	\$1,800	
Interior Walls								
Cast in Place Concrete	92%			LIFE	**	10	\$39,000	
Concrete Masonry Unit	5%			LIFE	**	5	\$700	
Masonry: Brick	3%			LIFE	**	10	\$200	
Ceilings								
AcousTile,Adhered	2%			2027		5	\$3,500	
Exposed Concrete	98%			LIFE	**	5-10	\$216,900	
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**DELANCEY - ESSEX GARAGE**  
**Asset # : 14318**

<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

Molded Case Bkrs	100%			2029	\$4,900	5	\$3,400	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : No Nameplate Ratings Available*

## Switchgear / Switchboard

Molded Case Bkrs	100%			2029	\$74,800	5	\$3,400	
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## Raceway

Conduit	100%			2029	\$15,300	1		
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## Panelboards

Molded Case Bkrs	100%			2028	\$45,800	5	\$3,400	
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## Wiring

Thermoplastic	100%			2029	\$33,400	1		
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## Motor Controllers

Locally Mounted	100%			2034	**	5	\$900	
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## Ground

## Grounding Devices

Generic	100%			LIFE	**	5	\$3,800	
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## Lighting

## Interior Lighting

LED	100%			2034	**			
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## Egress Lighting

Emergency, Battery	50%			2024	\$81,400	10	\$14,300	
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Exit, Battery	50%			2024	\$55,500	10	\$4,000	
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## Exterior Lighting

HID	25%			2024	\$125,300	10	\$100	
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No Component	75%							
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## Alarm

## Security System

No Component	90%							
Generic	10%			2024	\$40,100	1	\$4,900	

*Other Observation, Extent : Light, Area Affected : 100%**Location : Front And Back Of The Building**Explanation : CCTV Surveillance Cameras Are Functional*

## Fire/Smoke Detection

No Component	90%							
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Generic, Analog	10%	Now	\$137,400	2039	**	1-3	\$7,300	
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*Not in Service, Extent : Light, Area Affected : 100%**Location : Throughout The Building*

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**DELANCEY - ESSEX GARAGE**  
**Asset # : 14318**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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	100%			2039	* *	1		
Conversion Equipment								
Radiant Heater	3%			2029	\$600	2		
<i>Other Observation, Extent : Light, Area Affected : 3%</i>								
<i>Location : Office On 1st Level</i>								
<i>Explanation : 1 Unit - Only The Office Has This Heating Device</i>								
No Component	97%							
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	3%			2024	\$7,100	1		
<i>Other Observation, Extent : Light, Area Affected : 3%</i>								
<i>Location : Management Office</i>								
<i>Explanation : 1 Unit</i>								
No Component	97%							
<b>Ventilation</b>								
Distribution								
No Component	5%							
No Component	95%							
Exhaust Fans								
No Component	5%							
No Component	95%							
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	5%			2029	\$42,100	1		
No Component	95%							
Sanitary Piping								
Cast Iron	5%			LIFE	* *	1		
No Component	95%							
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2020	\$4,200	4	\$4,100	
Sewage Ejector(s)								
Electric	100%			2024	\$35,800	4	\$7,800	
Fixtures								
Generic	100%							
<b>Vertical Transport</b>								
Elevators								
Geared Traction	100%			LIFE	* *			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parking Levels 1-6</i>								
<i>Explanation : 2 Units - 1 New, 1 Abandoned</i>								

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : DOT EMERGENCY RESPONSE UNIT  
**Address** : 5-40 44TH DRIVE @ VERNON BLVD AND EAST RIVER  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0218.000 / 14716 **Yr Built/Renovated** : 1931 / 2013  
**Area Sq Ft** : 20,000 **Project Type** : HIGHWAYS  
**Date of Survey** : 20-Jun-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Floors 1  
**Block** : 24 **Lot** : 7 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$308,200	
Interior Architecture	\$574,400	\$59,200
Electrical		\$96,500
Site Enclosure	\$43,600	
<b>Total</b>	<b>\$926,200</b>	<b>\$155,700</b>
Importance Code A	\$308,200	
Importance Code B	\$404,400	\$155,700
Importance Code C	\$213,700	
<b>Total</b>	<b>\$926,200</b>	<b>\$155,700</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	\$9,200		\$200	\$800
Electrical	\$15,000	\$300	\$100	\$200
Mechanical	\$1,400	\$200	\$400	\$800
Site Pavements	\$27,800			
<b>Total</b>	<b>\$95,500</b>	<b>\$500</b>	<b>\$700</b>	<b>\$1,800</b>
Importance Code A	\$42,500	\$100	\$100	\$100
Importance Code B	\$22,500	\$300	\$500	\$1,600
Importance Code C	\$30,400			
<b>Total</b>	<b>\$95,500</b>	<b>\$500</b>	<b>\$700</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**DOT EMERGENCY RESPONSE UNIT**  
**Asset # : 14716**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	60%	Now	\$186,800	LIFE	**	5	\$15,200	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Metal Coiling Doors	40%	Now	\$58,600	2034	**	5	\$15,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Windows								
Steel	80%	Now	\$26,200	2054	**	5	\$3,100	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	20%			2045	**	5	\$1,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Offices</i>								
<i>Explanation : Vinyl Type</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$15,300	LIFE	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	90%	4+	\$62,800	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Roof								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Entire Roof</i>								
<i>Explanation : Although Not Accessible, Roof Is Assumed To Be In Poor Condition</i>								
Interior								
Floors								
Cast in Place Concrete	90%	Now	\$57,500	LIFE	**	5	\$59,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2038	**	5	\$1,500	
Vinyl Tile	5%			2034	**	3	\$600	
Interior Walls								
Gypsum Board	10%			LIFE	**	5-10	\$4,000	
Masonry: Brick	90%	Now	\$170,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**DOT EMERGENCY RESPONSE UNIT**  
**Asset # : 14716**

<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 Struc: Wood	90%	2-4	\$346,900	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Gypsum Board	10%			LIFE	**	5-10	\$10,300	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	100%			2049	**			
<b>Free Standing Walls</b>								
Masonry: Brick	100%	Now	\$43,600	2039	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<b>Site Pavements</b>								
<b>Public Sidewalk</b>								
Cast in Place Concrete	100%			2042	**			
<b>Parking/Driveway</b>								
Asphalt	100%	Now	\$27,800	2032	**			
<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>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Molded Case Bkrs	100%			2055	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 200 Ampere Main Disconect Switch</i>								
<b>Raceway</b>								
Conduit	40%			2055	**	1		
Conduit	60%			2029	\$2,300	1		
<b>Panelboards</b>								
Fused Disc Sw	5%			2051	**	5		
Molded Case Bkrs	50%			2051	**	5	\$300	
Molded Case Bkrs	45%			2028	\$3,400	5	\$200	
<b>Wiring</b>								
Thermoplastic	60%			2055	**	1		
Thermoplastic	40%			2029	\$3,300	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2046	**	5	\$100	
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$600	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**DOT EMERGENCY RESPONSE UNIT**  
**Asset # : 14716**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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	20%			2037	**	10	\$3,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Offices</i>								
Fluorescent	78%			2024	\$34,900	10	\$14,300	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 78%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	2%			2024	\$2,100	2		
<b>Egress Lighting</b>								
Emergency, Battery	50%			2037	**	10	\$2,400	
Exit, Service	50%			2034	**	1		
<b>Exterior Lighting</b>								
HID	20%			2037	**	10		
HID	80%			2024	\$61,700	10		
<b>Alarm</b>								
<b>Security System</b>								
No Component	90%							
Generic	10%			2037	**	1	\$800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : CCTV Camera</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%			2055	**	1		
<b>Conversion Equipment</b>								
Furnace	15%			2034	**	1	\$1,500	
No Component	85%							
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2045	**	1		
<b>Conversion Equipment</b>								
Int Pkg Unit - Heating/Cooling	15%			2030	**	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Office</i>								
<i>Explanation : 410a Refrigerant</i>								
Window/Wall Unit	5%			2027	\$2,000	1		
No Component	80%							
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	15%			LIFE	**	2-5	\$2,600	
No Component	85%							

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**DEPARTMENT OF TRANSPORTATION - 841**  
**DOT EMERGENCY RESPONSE UNIT**  
**Asset # : 14716**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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	15%			2037	**	2	\$100	
Wall Unit	5%			2024	\$300	2		
No Component	80%							
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	15%			2055	**	1		
No Component	85%							
Water Heater								
Gas Fired	15%			2028	\$1,700	2		
No Component	85%							
Sanitary Piping								
Cast Iron	15%			LIFE	**	1		
No Component	85%							
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2023	\$600	4	\$600	
Fixtures								
Generic	100%							

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : E. 149 STREET GARAGE  
**Address** : 315 EAST 149 STREET  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0206.000 / 14319 **Yr Built/Renovated** : 1974 / 2008  
**Area Sq Ft** : 112,035 **Project Type** : HIGHWAYS  
**Date of Survey** : 09-Jun-2014 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2,3,4,5  
**Block** : 2331 **Lot** : 22 **BIN** : 2000927

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$97,500	\$276,200
Interior Architecture		\$528,700
Electrical	\$102,800	\$59,200
Mechanical		\$38,000
<b>Total</b>	<b>\$200,200</b>	<b>\$902,100</b>
Importance Code A	\$97,500	\$314,200
Importance Code B	\$102,800	\$442,700
Importance Code C		\$145,200
<b>Total</b>	<b>\$200,200</b>	<b>\$902,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$43,600			\$32,700
Interior Architecture	\$1,600		\$600	
Electrical	\$4,400	\$2,600	\$1,300	\$1,200
Mechanical	\$44,000	\$2,700	\$2,500	\$4,800
Elevators/Escalators	\$4,900	\$4,900	\$4,900	\$4,900
<b>Total</b>	<b>\$98,500</b>	<b>\$10,300</b>	<b>\$9,300</b>	<b>\$43,600</b>
Importance Code A	\$45,000	\$200		\$32,900
Importance Code B	\$53,500	\$10,100	\$9,300	\$10,700
Importance Code C				
<b>Total</b>	<b>\$98,500</b>	<b>\$10,300</b>	<b>\$9,300</b>	<b>\$43,600</b>



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## DEPARTMENT OF TRANSPORTATION - 841

## E. 149 STREET GARAGE

Asset # : 14319

Architecture		Current Repair		Future Replacement		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	\$38,200	
Concrete Masonry Unit	35%			LIFE	**	5	\$33,400	
Masonry: Brick Cavity	5%	Now	\$29,200	LIFE	**	5	\$7,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North Facade</i>								
Metal Coiling Doors	5%			2038	**	5	\$23,900	
Metal: Cage/Fence	5%			2038	**	5	\$33,400	
Pre-Cast Concrete	40%			LIFE	**	5	\$198,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : North And South Facades</i>								
<i>Explanation : Metal Infills</i>								
Window Wall	5%			2045	**	5	\$28,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Section Of First Floor On The South Side</i>								
<i>Explanation : Commercial Space Use</i>								
Parapets								
Concrete Masonry Unit	40%			LIFE	**	5	\$5,100	
Metal Rail	5%			2038	**	5-10	\$10,300	
Pre-Cast Concrete	55%			LIFE	**	5	\$39,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : North And South Parapets</i>								
<i>Explanation : Metal Infills</i>								
Roof								
Traffic Topping	95%			2030	**	10	\$97,500	
Not Accessible	5%							
Interior								
Floors								
Cast in Place Concrete	94%			LIFE	**	5	\$340,400	
Ceramic Tile	3%			2034	**	5	\$5,000	
Vinyl Tile	3%			2025	\$43,100	3	\$1,900	
Interior Walls								
Cast in Place Concrete	8%			LIFE	**			
Concrete Masonry Unit	83%			LIFE	**	5	\$145,200	
Glass: Single Pane	2%			LIFE	**	5	\$6,600	
Masonry: Brick	7%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	2%			2030	**	5	\$3,300	
Exposed Concrete	98%			LIFE	**	5	\$24,900	

Electrical		Current 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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**DEPARTMENT OF TRANSPORTATION - 841**  
**E. 149 STREET GARAGE**  
**Asset # : 14319**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2045	**	5	\$3,000	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : Main Service Switch Rated At 500 Amperes</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2045	**	5	\$3,000	
Raceway								
Conduit	100%			2045	**	1		
Panelboards								
Molded Case Bkrs	100%			2041	**	5	\$3,000	
Wiring								
Thermoplastic	100%			2045	**	1		
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$1,600	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	100%			2030	**	10	\$102,800	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T- 8 Lamps</i>						
Egress Lighting								
Exit, Service	100%			2030	**	1		
Exterior Lighting								
HID	100%			2030	**	10	\$300	
<b>Alarm</b>								
Security System								
No Component	80%							
Generic	20%			2030	**	1	\$8,400	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 1st Floor Only</i>						
		<i>Explanation : 6 CCTV Surveillance Cameras</i>						
Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%			2025	\$59,200	1-3	\$3,500	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 5th And 4th Floor</i>						
		<i>Explanation : 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>	
<b>Heating</b>								
Energy Source								
Electricity	100%			2035	**	1		

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**DEPARTMENT OF TRANSPORTATION - 841**  
**E. 149 STREET GARAGE**  
**Asset # : 14319**

<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							
	Radiant Heater	2%			2025	\$38,000	2	\$1,000
		<i>Other Observation, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Office Only</i>						
		<i>Explanation : 1 Unit</i>						
	No Component	98%						
<b>Air Conditioning</b>								
	Energy Source							
	Electricity	100%			2033	**	1	
	Conversion Equipment							
	Window/Wall Unit	2%			2020	\$4,500	1	
		<i>Other Observation, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Office Only</i>						
		<i>Explanation : 1 Unit</i>						
	No Component	98%						
	Distribution							
	No Component	0%						
<b>Ventilation</b>								
	Exhaust Fans							
	Wall Unit	5%			2020	\$1,900	2	\$200
	No Component	95%						
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	5%			2035	**	1	
	No Component	95%						
	Water Heater							
	Electric	5%			2020	\$4,700	4	
	No Component	95%						
	Sanitary Piping							
	Cast Iron	5%			LIFE	**	1	
	No Component	95%						
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	No Component	50%						
	Generic	50%			2020	\$13,600	1	\$3,400
	Fixtures							
	Generic	100%						
<b>Vertical Transport</b>								
	Elevators							
	Geared Traction	100%			LIFE	**		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st To 4th Floor And Roof</i>						
		<i>Explanation : 1 Unit</i>						
<b>Fire Suppression</b>								
	Standpipe							
	Generic	100%			2035	**	1-5	\$58,600

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## DEPARTMENT OF TRANSPORTATION - 841

## E. 149 STREET GARAGE

Asset # : 14319

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Fire Suppression								
Sprinkler								
	No Component	98%						
	Generic	2%		2025	\$21,000	1-2	\$600	

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FLATLANDS AVENUE YARD MAIN BUILDING  
**Address** : 6080 FLATLANDS AVE.  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0125.000 / 1000 **Yr Built/Renovated** : 1939 /  
**Area Sq Ft** : 20,821 **Project Type** : HIGHWAYS  
**Date of Survey** : 30-Oct-2014 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1  
**Block** : 8012 **Lot** : 400 **BIN** : 3325350

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$177,100	\$126,900
Interior Architecture	\$48,700	\$61,000
Electrical	\$196,000	
Mechanical		\$933,500
<b>Total</b>	<b>\$421,800</b>	<b>\$1,121,400</b>
Importance Code A	\$177,100	\$126,900
Importance Code B	\$196,000	\$994,500
Importance Code C	\$48,700	
<b>Total</b>	<b>\$421,800</b>	<b>\$1,121,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$56,100	\$5,200	\$9,500	
Interior Architecture	\$40,000			\$200
Electrical	\$35,500	\$20,100	\$400	\$400
Mechanical	\$6,700	\$7,300	\$5,800	\$3,100
<b>Total</b>	<b>\$138,300</b>	<b>\$32,600</b>	<b>\$15,600</b>	<b>\$3,700</b>
Importance Code A	\$58,100	\$7,300	\$11,500	\$2,100
Importance Code B	\$80,100	\$25,300	\$4,100	\$1,600
Importance Code C				
<b>Total</b>	<b>\$138,300</b>	<b>\$32,600</b>	<b>\$15,600</b>	<b>\$3,700</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLATLANDS AVENUE YARD MAIN BUILDING**  
**Asset # : 1000**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	87%	Now	\$177,100	LIFE	**	5	\$28,800	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Masonry Openings Of Windows</i>								
<i>Horizontal Cracks, 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>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Masonry Openings</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Chimney</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Window Openings</i>								
Metal Coiling Doors	10%			2031	**	5	\$10,300	
Stucco Cement	3%	Now	\$29,300	2046	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bulkhead</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Bulkhead</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Bulkhead</i>								
Windows								
Aluminum	100%			2042	**	5	\$6,000	
Parapets								
Masonry: Brick	90%	Now	\$26,800	LIFE	**	5	\$2,300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Interior Face</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Inside Face</i>								
Masonry: Limestone	10%			LIFE	**	5	\$300	
Roof								
Built-Up (BUR)	10%			2026	\$59,000	10	\$4,300	
<i>Gravel/Slag Surface, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Flat Section</i>								
Metal Panel	87%			2039	**	10	\$67,900	
Roll Roofing	3%			2022	\$5,400	5	\$2,100	
Interior								
Floors								
Cast in Place Concrete	90%	Now	\$29,600	LIFE	**	5	\$61,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Shop Area</i>								
Ceramic Tile	5%			2029	\$30,700	5	\$1,600	
Vinyl Tile	5%			2026	\$13,500	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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLATLANDS AVENUE YARD MAIN BUILDING**  
**Asset # : 1000**

<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	\$500	
Glass: Single Pane	2%			LIFE	**	5	\$400	
Masonry: Brick	93%	Now	\$48,700	LIFE	**			
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Upper Level</i>								
<b>Ceilings</b>								
Exposed Concrete	10%	Now	\$10,200	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	90%			LIFE	**			
<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%			2026	\$1,500	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One Electrical Service Rated At 400 Amperes</i>								
<b>Raceway</b>								
Conduit	100%			2026	\$3,800	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2025	\$15,300	5	\$500	
<b>Wiring</b>								
Braided Cloth	80%	2-4	\$34,800	2051	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Office Plus Electrical Room</i>								
Thermoplastic	20%			2026	\$1,700	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2024	\$22,000	5	\$100	
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	30%			2021	\$49,700	10	\$5,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
HID	70%			2031	**	10	\$500	

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841  
FLATLANDS AVENUE YARD MAIN BUILDING  
Asset # : 1000**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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	50%			2021	\$2,900	1		
Exit, Battery	50%			2021	\$9,800	10	\$700	
Exterior Lighting								
HID	100%			2021	\$80,200	10	\$100	
<b>Alarm</b>								
Fire/Smoke Detection								
No Component	70%							
Generic, Analog	30%			2021	\$66,000	1-3	\$3,900	
<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%			2036	**	1		
Conversion Equipment								
Steam Boiler	100%			2031	**	1	\$20,600	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Units, One Is Obsolete</i>					
Distribution								
Central Plant Steam Piping/Pmp	100%			2026	\$336,800	4	\$1,000	
Terminal Devices								
Convactor/Radiator	15%			2024	\$16,000	1	\$1,000	
Fan Coil Unit/Heat	85%			2026	\$253,400	1	\$5,700	
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2034	**	1		
Conversion Equipment								
Window/Wall Unit	10%			2021	\$4,100	1		
No Component	90%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$11,600	
Exhaust Fans								
Roof	30%			2026	\$9,900	2	\$200	
Wall Unit	70%			2026	\$5,000	2	\$400	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2026	\$148,400	1		
Water Heater								
Gas Fired	100%			2026	\$12,100	2	\$300	
			<i>Recent Installation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					

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

**DEPARTMENT OF TRANSPORTATION - 841  
FLATLANDS AVENUE YARD MAIN BUILDING  
Asset # : 1000**

<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)							
	Non-Submersible	100%	0-2	\$3,000	2036	**	4	\$400
			<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
Fixtures								
	Generic	100%						
Fire Suppression								
	Sprinkler							
	Generic	100%			2026	\$194,900	1-2	\$5,800

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FLATLANDS AVENUE YARD WAREHOUSE AND WELDING SHOP  
**Address** : 6080 FLATLANDS AVE.  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0125.010 / 1036 **Yr Built/Renovated** : 1939 /  
**Area Sq Ft** : 2,788 **Project Type** : HIGHWAYS  
**Date of Survey** : 30-Oct-2014 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 8012 **Lot** : 400 **BIN** : 3325350

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$55,900	
Interior Architecture	\$46,900	
<b>Total</b>	<b>\$102,900</b>	
Importance Code A	\$55,900	
Importance Code C	\$46,900	
<b>Total</b>	<b>\$102,900</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$4,100	\$9,100		
Interior Architecture	\$2,800			\$100
Electrical		\$700		
Mechanical	\$4,100	\$3,600	\$100	\$100
<b>Total</b>	<b>\$11,100</b>	<b>\$13,400</b>	<b>\$100</b>	<b>\$200</b>
Importance Code A	\$4,100	\$9,100		
Importance Code B	\$7,000	\$4,300	\$100	\$200
Importance Code C				
<b>Total</b>	<b>\$11,100</b>	<b>\$13,400</b>	<b>\$100</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLATLANDS AVENUE YARD WAREHOUSE AND WELDING SHOP**

**Asset # : 1036**

Architecture		Current Repair		Future Replacement		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	\$55,900	LIFE	**	5	\$6,100	1
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Rusting Masonry Supt, Extent : Severe, Area Affected : 50%</i>								
<i>Location : At Masonry Openings</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Corners</i>								
Metal Coiling Doors	15%			2031	**	5	\$3,300	
Windows								
Aluminum	100%	Now	\$1,800	2042	**	5	\$400	
<i>Air Infiltration, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	95%	Now	\$2,300	LIFE	**	5	\$100	1
<i>Diagonal Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : At Corners</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Corners</i>								
Masonry: Limestone	5%	Now		LIFE	**	5		
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Roof								
Built-Up (BUR)	100%			2031	**	10	\$7,500	
Interior								
Floors								
Cast in Place Concrete	70%	Now	\$1,500	LIFE	**	5	\$6,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2035	**	5	\$200	
Vinyl Tile	25%	0-2	\$900	2031	**	3	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Gypsum Board	25%			LIFE	**	5	\$2,400	
Masonry: Brick	75%	0-2	\$46,900	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	25%	0-2	\$400	2031	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	75%			LIFE	**	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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLATLANDS AVENUE YARD WAREHOUSE AND WELDING SHOP**

**Asset # : 1036**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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%			2026	\$3,800	1		
Panelboards								
Molded Case Bkrs	100%			2034	**	5	\$100	
Wiring								
Thermoplastic	100%			2036	**	1		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	85%			2034	**	10	\$2,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
HID	10%			2026	\$2,300	10		
Incandescent	5%			2021	\$700	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								
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$200	
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$900	
Air Conditioning								
Energy Source								
Electricity	100%			2034	**	1		
Conversion Equipment								
Window/Wall Unit	20%			2021	\$1,100	1		
No Component	80%							
Ventilation								
Exhaust Fans								
Wall Unit	100%			2026	\$900	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%	0-2	\$4,000	2036	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Water Main And Piping</i>								
Water Heater								
Electric	100%			2021	\$2,300	4		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLATLANDS AVENUE YARD WAREHOUSE AND WELDING SHOP**  
**Asset # : 1036**

<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>
Plumbing								
	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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : GLENDALE YARD BLDG. 7 (GARAGE AND STORAGE)  
**Address** : 69-46 SYBILLA STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0126.020 / 2424 **Yr Built/Renovated** : 1928 / 2012  
**Area Sq Ft** : 5,700 **Project Type** : HIGHWAYS  
**Date of Survey** : 08-Sep-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 3886 **Lot** : 558 **BIN** : 4095043

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$89,700	
<b>Total</b>	<b>\$89,700</b>	
Importance Code A	\$89,700	
<b>Total</b>	<b>\$89,700</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$17,300			\$1,600
Interior Architecture	\$11,200	\$2,000		
Electrical	\$400	\$400	\$300	\$300
Mechanical	\$300	\$300	\$300	\$300
<b>Total</b>	<b>\$29,200</b>	<b>\$2,700</b>	<b>\$600</b>	<b>\$2,200</b>
Importance Code A	\$17,600	\$300	\$300	\$1,900
Importance Code B	\$11,100	\$2,500	\$300	\$300
Importance Code C	\$500			
<b>Total</b>	<b>\$29,200</b>	<b>\$2,700</b>	<b>\$600</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**GLENDALE YARD BLDG. 7 (GARAGE AND STORAGE)**

**Asset # : 2424**

Architecture		Current Repair			Future 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%			2048	**	10	\$400		
Cast in Place Concrete	15%			LIFE	**	5	\$8,700		
Masonry: Brick	70%	Now	\$50,000	LIFE	**	5	\$8,100		
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Mens Locker Room</i>									
<i>Worn/Eroded, Extent : Severe, Area Affected : 40%</i>									
<i>Location : Throughout</i>									
Metal Coiling Doors	5%			2033	**	5	\$1,800		
Windows									
Aluminum	100%			2044	**	5	\$2,300		
Parapets									
Masonry: Brick	45%	Now	\$39,700	LIFE	**	5	\$3,400		
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 60%</i>									
<i>Location : Throughout</i>									
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Throughout</i>									
Masonry: Brick	50%			LIFE	**	5	\$3,700		
Metal Panel	5%			2048	**	5	\$1,500		
Roof									
Built-Up (BUR)	15%	Now	\$11,000	2033	**				
<i>Debris on Roof, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Above Mens Locker Room And Staff Room</i>									
Modified Bitumen	85%	Now	\$6,300	2033	**				
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Roof Penetration Above Storage Room</i>									
Interior									
Floors									
Cast in Place Concrete	75%	Now	\$10,700	LIFE	**	5	\$22,100		
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Floor Slab On Apparatus Floor</i>									
Vinyl Tile	25%			2033	**	3	\$1,300		
Interior Walls									
Concrete Masonry Unit	5%			LIFE	**	5	\$500		
Gypsum Board	10%	0-2	\$500	LIFE	**	5	\$1,400		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Male Locker Room And Staff Room</i>									
Masonry: Brick	85%			LIFE	**				
Ceilings									
AcousTileSusp.Lay-In	25%			2041	**	5	\$3,200		
Exposed Concrete	75%			LIFE	**	5	\$1,500		
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**GLENDALE YARD BLDG. 7 (GARAGE AND STORAGE)**

**Asset # : 2424**

<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

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>	

Under 600 Volts

Service Equipment

Molded Case Bkrs

100%

2054

\*\*

5

\$200

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

*Location : Outside*

*Explanation : One 400 Amperes Main Disconnect Switch Located At The Yard*

Raceway

Conduit

100%

2054

\*\*

1

Panelboards

Fused Disc Sw

5%

2050

\*\*

5

Molded Case Bkrs

95%

2050

\*\*

5

\$100

Wiring

Thermoplastic

100%

2054

\*\*

1

Motor Controllers

Locally Mounted

100%

2045

\*\*

5

Ground

Grounding Devices

Not Accessible

100%

Lighting

Interior Lighting

Fluorescent

20%

2036

\*\*

10

\$1,000

*T-5 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%*

*Location : Garage*

Fluorescent

80%

2036

\*\*

10

\$4,200

*T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%*

*Location : Offices And Storage 1st Floor*

Egress Lighting

Emergency, Battery

50%

2036

\*\*

10

\$700

Exit, Service

50%

2036

\*\*

1

Exterior Lighting

HID

100%

2036

\*\*

10

Alarm

Fire/Smoke Detection

Generic, Digital

100%

2036

\*\*

1-3

\$3,500

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

*Location : 1st Floor Storage Room*

*Explanation : Fire Alarm System Is For The Gas Station Only And Not For 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**GLENDALE YARD BLDG. 7 (GARAGE AND STORAGE)**

**Asset # : 2424**

<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							
	Furnace	100%			2028	\$12,800	1	\$2,800
			<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Not In Service Because No Gas Connection. 1st Floor</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : 3 Units</i>					
<b>Air Conditioning</b>								
	Energy Source							
	Electricity	100%			2044	**	1	
	Conversion Equipment							
	Window/Wall Unit	40%			2026	\$4,500	1	
	No Component	60%						
<b>Ventilation</b>								
	Exhaust Fans							
	Wall Unit	40%			2033	**	2	\$100
	No Component	60%						
<b>Plumbing</b>								
	H/C Water Piping							
	Brass/Copper	100%			2048	**	1	
	Water Heater							
	Electric	100%			2026	\$4,800	4	
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						

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

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : HARLEM RIVER BRIDGE SHOP GARAGE 1  
**Address** : 300 W. 206TH STREET  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0093.000 / 549 **Yr Built/Renovated** : 1958 / 2007  
**Area Sq Ft** : 14,192 **Project Type** : HIGHWAYS  
**Date of Survey** : 19-Jul-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1  
**Block** : 2186 **Lot** : 9 **BIN** : 1081892

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$100,000	
<b>Total</b>	<b>\$100,000</b>	
Importance Code A	\$100,000	
<b>Total</b>	<b>\$100,000</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$76,000		\$9,300	
Interior Architecture	\$54,000		\$1,500	
Electrical	\$1,700	\$1,300	\$1,600	\$1,300
Mechanical	\$52,100	\$1,500	\$7,100	\$1,900
Site Enclosure	\$6,200			
Site Pavements	\$16,400			
<b>Total</b>	<b>\$206,400</b>	<b>\$2,800</b>	<b>\$19,500</b>	<b>\$3,200</b>
Importance Code A	\$81,400	\$700	\$10,000	\$700
Importance Code B	\$90,600	\$2,100	\$9,500	\$2,500
Importance Code C	\$34,400			
<b>Total</b>	<b>\$206,400</b>	<b>\$2,800</b>	<b>\$19,500</b>	<b>\$3,200</b>



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

**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER BRIDGE SHOP GARAGE 1**  
**Asset # : 549**

Architecture		Current 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%	0-2	\$100,000	LIFE	**	5	\$32,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	15%			2042	**	5	\$18,600	
Pre-Cast Concrete	3%			LIFE	**	5	\$7,700	
<b>Windows</b>								
Aluminum	50%	Now	\$3,100	2045	**	5	\$700	
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Mechanical Lockeroom</i>								
Fiberglass Panel	50%			2045	**	5	\$5,500	
<b>Parapets</b>								
Cast Stone/Terra Cotta	5%	Now	\$3,600	LIFE	**	5	\$2,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : North Facade</i>								
Masonry: Brick	95%			LIFE	**	5-10	\$35,700	
<b>Roof</b>								
Single Ply Membrane	100%	Now	\$32,200	2037	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Lockeroom And Corridors</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	10%			LIFE	**	5	\$9,300	
Terrazzo	5%			LIFE	**	5	\$1,700	
Traffic Topping	70%			2034	**	5	\$18,600	
Vinyl Tile	15%			2034	**	3	\$1,200	
<b>Interior Walls</b>								
Cast in Place Concrete	10%			LIFE	**	10	\$4,700	
Concrete Masonry Unit	75%			LIFE	**	5	\$11,300	
Glass: Single Pane	5%			LIFE	**	5	\$1,400	
Masonry: Brick	5%			LIFE	**	10	\$300	
SGFT/Glazed Masonry	5%			LIFE	**	10	\$500	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2042	**	5	\$2,100	
Exposed Concrete	10%			LIFE	**	5-10	\$2,700	
Exposed Struc: Steel	70%			LIFE	**	10	\$29,700	
Gypsum Board	10%			LIFE	**	5-10	\$7,300	
<b>Site Enclosure</b>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER BRIDGE SHOP GARAGE 1**  
**Asset # : 549**

<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>								
Fence/Gates								
Aluminum Rail	100%	Now	\$6,200	2034	**	5	\$4,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Loading Dock</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Loading Dock</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Loading Dock</i>								
<i>Explanation : Metal Safety Railing Along Loading Dock</i>								
<b>Site Pavements</b>								
Public Sidewalk								
Cast in Place Concrete	100%			2042	**			
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$16,400	2049	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout Loading Dock</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%			2049	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 2500 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2049	**	5	\$100	
Raceway								
Conduit	100%			2049	**	1		
Panelboards								
Molded Case Bkrs	100%			2045	**	5	\$400	
Wiring								
Thermoplastic	100%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2042	**	5	\$100	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$400	
<b>Lighting</b>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER BRIDGE SHOP GARAGE 1**  
**Asset # : 549**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2034	**	10	\$11,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	10%			2034	**	10	\$1,300	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Locker Rooms</i>								
<b>Egress Lighting</b>								
Emergency, Battery	50%			2029		10	\$1,700	
Exit, Battery	50%			2029		10	\$500	
<b>Exterior Lighting</b>								
HID	60%			2034	**	10		
LED	40%			2037	**			
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Perimeter</i>								
<b>Alarm</b>								
<b>Security System</b>								
Generic	100%			2034	**	1	\$5,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : CCTV Surveillance System</i>								
<b>Fire/Smoke Detection</b>								
Generic, Digital	100%			2034	**	1-3	\$8,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Manual Pull Stations, Horns/strobes And Smoke Detection</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%			2039	**	1		
<b>Conversion Equipment</b>								
Furnace	70%			2034	**	1	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 85%</i>								
<i>Location : Roof</i>								
<i>Explanation : 4 Roof Top Units</i>								
Furnace	15%	Now	\$4,800	2039	**	1	\$900	
<i>Broken, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Roof</i>								
Hot Water Boiler	15%			2042	**	1	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER BRIDGE SHOP GARAGE 1**  
**Asset # : 549**

Mechanical		Current 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	15%			2045	**	4	\$200	
No Component	85%							
Terminal Devices								
Convactor/Radiator	15%			2042	**	1	\$700	
No Component	85%							
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%	Now	\$34,000	2034	**	2	\$700	
			<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 Of 6 Units Broken</i>					
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$23,100	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$12,500	
Exhaust Fans								
Roof	100%			2034	**	2	\$400	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	**	1		
Water Heater								
Gas Fired	100%			2027	\$8,300	2	\$200	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 80-gallon Unit</i>					
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$2,800	LIFE	**	1		
			<i>Other Observation, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : Broken And Leaking Roof Drain</i>					
Sump Pump(s)								
Submersible	100%			2023	\$500	4	\$500	
Backflow Preventer								
Generic	100%			2034	**	1	\$900	
Fixtures								
Generic	100%							
Fire Suppression								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER BRIDGE SHOP GARAGE 1**  
**Asset # : 549**

<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								
	Generic	100%			2049	* *	1-2	\$4,000	

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : HARLEM RIVER BRIDGE SHOP GARAGE 2  
**Address** : 301 W. 205TH STREET  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0093.010 / 550 **Yr Built/Renovated** : 1958 / 2007  
**Area Sq Ft** : 20,096 **Project Type** : HIGHWAYS  
**Date of Survey** : 19-Jul-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2,Ph  
**Block** : 2186 **Lot** : 9 **BIN** : 1081894

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$75,100	
Mechanical	\$48,100	
<b>Total</b>	<b>\$123,200</b>	
Importance Code A	\$75,100	
Importance Code B	\$48,100	
<b>Total</b>	<b>\$123,200</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$40,500		\$7,200	
Interior Architecture	\$40,200		\$3,200	
Electrical	\$2,400	\$1,900	\$2,300	\$1,900
Mechanical	\$17,300	\$2,100	\$3,500	\$2,000
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$104,300</b>	<b>\$7,900</b>	<b>\$20,200</b>	<b>\$7,800</b>
Importance Code A	\$50,300	\$1,000	\$8,200	\$1,000
Importance Code B	\$40,000	\$6,900	\$12,000	\$6,800
Importance Code C	\$14,000			
<b>Total</b>	<b>\$104,300</b>	<b>\$7,900</b>	<b>\$20,200</b>	<b>\$7,800</b>



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**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER BRIDGE SHOP GARAGE 2**  
**Asset # : 550**

Architecture		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%	Now	\$39,200	LIFE	**	5	\$12,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Panel	20%	Now	\$1,700	2049	**	5	\$8,700	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Level Adjacent To Soffit</i>								
Metal Sect. OHD	20%			2042	**	5	\$14,500	
Window Wall	5%			2049	**	5	\$4,300	
<b>Windows</b>								
Aluminum	100%	Now	\$19,100	2045	**	5	\$4,500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<b>Parapets</b>								
Cast Stone/Terra Cotta	10%	0-2	\$2,100	LIFE	**	5	\$2,500	
<i>Open Joints, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	45%			LIFE	**	5-10	\$10,100	
Metal Panel	5%			2049	**	5	\$600	
Metal Rail	40%	Now	\$7,100	2042	**	5	\$9,300	
<i>Loose/MISS Fasteners, Extent : Light, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<b>Roof</b>								
Plaza Roof: Stone Panels	5%			2049	**			
Single Ply Membrane	95%	Now	\$35,800	2034	**			
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Penthouse</i>								
<b>Soffits</b>								
Cement-Fiber Panel	100%	Now	\$1,900	2034	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Lower Level</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	10%			LIFE	**	5	\$13,200	
Traffic Topping	5%			2034	**	5	\$1,900	
Vinyl Tile	85%			2034	**	3	\$9,600	
<b>Interior Walls</b>								
Concrete Masonry Unit	80%			LIFE	**	5	\$19,400	
Glass: Single Pane	5%			LIFE	**	5	\$2,300	
Gypsum Board	5%			LIFE	**	5-10	\$2,600	
SGFT/Glazed Masonry	10%			LIFE	**	10	\$1,500	

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER BRIDGE SHOP GARAGE 2**  
**Asset # : 550**

<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	85%	Now	\$10,600	2042	**	5	\$12,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	15%			LIFE	**	10	\$9,000	
<b>Site Enclosure</b>								
<b>Fence/Gates</b>								
Chain Link	10%			2049	**			
Chain Link	90%			2049	**			
<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>System Component Type</b>	<b>% of Total</b>	<b>Fail 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	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 800 Ampere Main Disconnect Switch</i>								
<b>Switchgear / Switchboard</b>								
Fused Knife Sw	100%			2049	**	5	\$100	
<b>Raceway</b>								
Conduit	100%			2049	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2045	**	5	\$500	
<b>Wiring</b>								
Thermoplastic	100%			2049	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2042	**	5	\$100	
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$600	
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	95%			2034	**	10	\$17,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 95%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	5%			2034	**	10	\$900	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 5%</i>								
<i>Location : Second Floor</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER BRIDGE SHOP GARAGE 2**  
**Asset # : 550**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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, Battery	50%			2034	**	10	\$2,400	
Exit, Battery	50%			2034	**	10	\$700	
Exterior Lighting								
Fluorescent	5%			2034	**	10	\$100	
HID	95%			2034	**	10	\$100	
<b>Alarm</b>								
Security System								
Generic	100%			2034	**	1	\$7,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : CCTV Surveillance System</i>						
Fire/Smoke Detection								
Generic, Digital	100%			2034	**	1-3	\$12,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : Manual Pull Stations, Horns and Strobes And Smoke Detection</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		
Conversion Equipment								
Furnace	60%			2034	**	1	\$6,000	
		<i>Other Observation, Extent : Light, Area Affected : 60%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : Two Package Units</i>						
Furnace	20%	Now	\$9,000	2039	**	1	\$1,800	
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 1 Unit Boken</i>						
Hot Water Boiler	20%			2042	**	1	\$2,000	
		<i>Other Observation, Extent : Light, Area Affected : 20%</i>						
		<i>Location : 3rd Floor Penthouse</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	20%			2045	**	4	\$300	
No Component	80%							
Terminal Devices								
Convactor/Radiator	20%			2042	**	1	\$1,300	
No Component	80%							
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2045	**	1		

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER BRIDGE SHOP GARAGE 2**  
**Asset # : 550**

Mechanical		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	78%			2034	**	2	\$1,000
<i>R-134a Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3 Units, Roof</i>								
	Ext Pkg Unit - Heating/Cooling	20%	Now	\$48,100	2039	**	2	\$200
<i>Broken, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Unit</i>								
	Split Unit	2%			2034	**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Elevator Machine Room</i>								
<i>Explanation : 1 Unit</i>								
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$17,700
Exhaust Fans								
	Roof	100%			2034	**	2	\$600
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2049	**	1	
Water Heater								
	Gas Fired	100%			2027	\$11,700	2	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 80-gallon Unit</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Backflow Preventer								
	No Component	50%						
	Generic	50%			2034	**	1	\$600
Fixtures								
	Generic	100%						
Vertical Transport								
Elevators								
	Hydraulic	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%			2049	**	1-2	\$5,600

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**DEPARTMENT OF TRANSPORTATION - 841  
HARLEM RIVER BRIDGE SHOP GARAGE 2  
Asset # : 550**

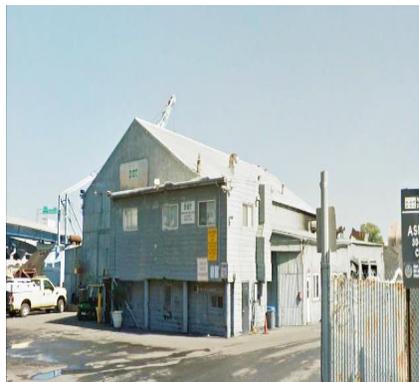
Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : HARPER ST. ASPHALT PLANT  
 Address : 30-01 HARPER STREET  
 Borough : QUEENS Agency's Number : N/A  
 Program / Asset # : DOT0217.000 / 14715 Yr Built/Renovated : 1950 /  
 Area Sq Ft : 10,800 Project Type : HIGHWAYS  
 Date of Survey : 13-Apr-2015 Landmark Status : NONE  
 Areas Surveyed : Basement, Roof, Floors 1,2  
 Block : 1791 Lot : 52 BIN : 4045011

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Electrical	\$116,300	
Mechanical		\$44,100
<b>Total</b>	<b>\$116,300</b>	<b>\$44,100</b>
Importance Code B	\$116,300	\$44,100
<b>Total</b>	<b>\$116,300</b>	<b>\$44,100</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$15,600	\$2,200	\$16,000	
Interior Architecture	\$4,900			
Electrical	\$3,100	\$27,600	\$1,000	\$1,000
Mechanical	\$1,400	\$900	\$1,500	\$900
<b>Total</b>	<b>\$25,100</b>	<b>\$30,800</b>	<b>\$18,500</b>	<b>\$1,900</b>
Importance Code A	\$16,000	\$2,800	\$16,300	\$500
Importance Code B	\$8,700	\$28,000	\$2,200	\$1,400
Importance Code C	\$400			
<b>Total</b>	<b>\$25,100</b>	<b>\$30,800</b>	<b>\$18,500</b>	<b>\$1,900</b>



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**DEPARTMENT OF TRANSPORTATION - 841**  
**HARPER ST. ASPHALT PLANT**  
**Asset # : 14715**

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	20%	Now	\$4,900	2036	**			
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Two Story Section</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Two Story Section</i>								
Metal, Corrugated	65%	Now	\$6,900	2036	**	1		
<i>Deformed/Dented, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Metal Sect. OHD	10%			2031	**	5	\$4,500	
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : East And South Facades</i>								
<i>Explanation : Deformed Dented</i>								
Wood	5%	Now	\$3,800	2031	**	5	\$1,800	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Sectional Door Frames</i>								
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Sectional Door Frames</i>								
No Component	0%							
Windows								
Aluminum	100%			2042	**	5	\$2,600	
Roof								
Metal, Corrugated	80%			2031	**	1		
Roll Roofing	20%			2022	\$12,300	5	\$4,900	
Interior								
Floors								
Cast in Place Concrete	75%			LIFE	**	5	\$26,500	
Ceramic Tile	15%			2035	**	5	\$2,400	
Wood	10%			2054	**	5	\$3,000	
Interior Walls								
Ceramic Tile	5%			2035	**	5	\$800	
Concrete Masonry Unit	25%			LIFE	**	5	\$1,600	
Gypsum Board	15%			LIFE	**	5	\$1,400	
Gypsum Board	55%			LIFE	**	5	\$5,200	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HARPER ST. ASPHALT PLANT**  
**Asset # : 14715**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	25%	Now	\$3,300	2039	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : One Story Wing</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 100%</i>								
<i>Location : One Story Wing</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : One Story Wing</i>								
AcousTileSusp.Lay-In	45%			2039	**	5	\$7,300	
Exposed Struc: Steel	15%			LIFE	**			
Gypsum Board	15%			LIFE	**	5	\$3,000	

Electrical		Current Repair		Future 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%			2026	\$1,500	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Two 400 Ampere Main Disconnect Switch For Main Office Building</i>								
Transformers								
Dry Type	100%			2024	\$16,100	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : One 112.5 Kva 480hv-208/120lv</i>								
Switchgear / Switchboard								
Fused Disc Sw	50%			2026	\$12,500	5		
Molded Case Bkrs	50%			2026	\$12,500	5	\$100	
Raceway								
Conduit	100%			2026	\$3,800	1		
Panelboards								
Fused Disc Sw	10%			2025	\$800	5		
Molded Case Bkrs	90%			2025	\$6,900	5	\$300	
Wiring								
Thermoplastic	100%			2026	\$8,300	1		
Motor Controllers								
Locally Mounted	20%			2024	\$2,900	5		
Motor Control Center	80%			2024	\$2,700	5	\$200	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2024	\$9,100	1	\$3,300	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HARPER ST. ASPHALT PLANT**  
**Asset # : 14715**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2022	\$74,700	1	\$4,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room - Main Office Building</i>								
<i>Explanation : One 500 Kilowatt, One 800 Kilowatt And One 900 Kilowatt. The Three Generators Are For The Asphalt Plant Only</i>								
<b>Batteries</b>								
Lead/Acid	100%			2020	\$1,500	5	\$400	
<b>Fuel Storage</b>								
Day Tank	25%			2025	\$200	5	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Genrator Room</i>								
<i>Explanation : One 125 Gallon</i>								
Main Tank	75%			2029	\$1,000	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Three 25,000 Gallon</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	90%			2031	* *	10	\$8,900	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
HID	5%			2021	\$4,500	10		
Incandescent	5%			2021	\$2,900	2		
<b>Egress Lighting</b>								
Emergency, Battery	50%			2021	\$7,400	10	\$1,300	
Exit, Service	50%			2021	\$1,500	1		
<b>Exterior Lighting</b>								
HID	100%			2021	\$41,600	10		
<b>Alarm</b>								
<b>Security System</b>								
No Component	50%							
Generic	50%			2026	\$16,700	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>								
<b>Energy Source</b>								
Electricity	20%			2046	* *	1		
Natural Gas	80%			2036	* *	1		

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HARPER ST. ASPHALT PLANT**  
**Asset # : 14715**

<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>Heating</b>								
Conversion Equipment								
	Furnace	60%			2026	\$14,600	1	\$3,200
<i>Other Observation, Extent : Light, Area Affected : 60%</i>								
<i>Location : Garage</i>								
<i>Explanation : 3 Units</i>								
	Radiant Heater	20%			2031	* *	2	\$1,000
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 2 Units</i>								
	No Component	20%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Office</i>								
<i>Explanation : Heating Is Provided By A Heat Pump Listed Only Under Air Conditioning Conversion Equipment</i>								
<b>Terminal Devices</b>								
	Air Handler	20%			2026	\$23,200	1	\$1,300
	Fan Coil Unit/Heat	20%			2026	\$24,700	1	\$700
	No Component	60%						
<b>Air Conditioning</b>								
Energy Source								
	Electricity	100%			2034	* *	1	
Conversion Equipment								
	Heat Pump Air Sourced	20%			2024	\$20,400	2	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Office</i>								
<i>Explanation : 1 Unit - Provides Both Heating And Cooling</i>								
	Split Unit	20%			2026	\$44,100		
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Laboratory</i>								
<i>Explanation : 1 Unit</i>								
	No Component	60%						
<b>Terminal Devices</b>								
	Air Handler/Cool/Ht	20%			2026	\$9,300	1	\$1,300
	Fan Coil - 4 Pipe	20%			2026	\$19,300	1	\$700
	No Component	60%						
<b>Heat Rejection</b>								
	Dry Cooler	40%			2026	\$9,000	2	\$3,000
	No Component	60%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$1,200
	No Component	80%						
Exhaust Fans								
	Interior	20%			2026	\$7,300	2	\$100
	No Component	80%						
<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.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**HARPER ST. ASPHALT PLANT**  
**Asset # : 14715**

<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%			2036	* *	1	
	Water Heater Electric	100%			2024	\$9,100	4	\$100
	Sanitary Piping Cast Iron	100%			LIFE	* *	1	
	Fixtures Generic	100%						

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : JEROME - GUN HILL ROAD GARAGE  
**Address** : 3510 JEROME AVENUE @ GUN HILL RD.  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0204.000 / 14317 **Yr Built/Renovated** : 1979 /  
**Area Sq Ft** : 78,600 **Project Type** : HIGHWAYS  
**Date of Survey** : 09-Oct-2014 **Landmark Status** : NONE  
**Areas Surveyed** : Floors 1,2,3  
**Block** : 3328 **Lot** : 10 **BIN** : 2017791

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$1,012,300	\$727,400
Interior Architecture	\$82,000	
Electrical	\$958,500	\$49,900
Mechanical	\$66,600	
<b>Total</b>	<b>\$2,119,300</b>	<b>\$777,300</b>
Importance Code A	\$1,078,900	\$727,400
Importance Code B	\$1,040,400	\$49,900
<b>Total</b>	<b>\$2,119,300</b>	<b>\$777,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$18,900			
Interior Architecture				
Electrical	\$3,400	\$29,400	\$300	\$300
Mechanical	\$11,100	\$400		\$400
<b>Total</b>	<b>\$33,400</b>	<b>\$29,800</b>	<b>\$300</b>	<b>\$700</b>
Importance Code A	\$18,900	\$1,400		\$400
Importance Code B	\$14,600	\$28,400	\$300	\$300
Importance Code C				
<b>Total</b>	<b>\$33,400</b>	<b>\$29,800</b>	<b>\$300</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**JEROME - GUN HILL ROAD GARAGE**  
**Asset # : 14317**

Architecture		Current Repair		Future 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	80%	Now	\$620,600	LIFE	**	5	\$539,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Street Facade</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Street Facade</i>								
Metal Sect. OHD	5%	Now	\$43,000	2031	**	5	\$10,500	
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
<i>Explanation : Broken Missing Elements</i>								
Metal: Cage/Fence	15%	Now	\$46,700	2031	**	5	\$44,200	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Street Facade</i>								
Windows								
Steel	5%	Now	\$101,900	2051	**	5	\$12,000	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Ticket Office</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Ticket Office</i>								
No Component	95%							
Parapets								
Cast in Place Concrete	75%	Now	\$90,600	LIFE	**	5	\$144,100	
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal: Cage/Fence	25%	Now	\$18,900	2031	**	5	\$15,000	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade, South Facade</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : East Facade, South Facade</i>								
Roof								
Cast in Place Concrete	100%	Now	\$109,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Top Ramp</i>								
<i>Ponding, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Exterior Ramps Up Top</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 25%</i>								
<i>Location : Top Ramp - Expansion Joint</i>								

## Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**DEPARTMENT OF TRANSPORTATION - 841**  
**JEROME - GUN HILL ROAD GARAGE**  
**Asset # : 14317**

<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>								
Asphalt Poured	100%	Now	\$82,000	2031	**	5	\$29,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Uneven Surface, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
<b>Interior Walls</b>								
Cast in Place Concrete	75%			LIFE	**			
<i>Vertical Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	23%			LIFE	**	5	\$17,500	
Glass: Single Pane	2%			LIFE	**	5	\$2,900	
<b>Ceilings</b>								
Exposed Concrete	100%			LIFE	**	5	\$17,000	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : New Painted Surface</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%			2026	\$2,600	5	\$2,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 1,200 Amperes</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2026	\$49,900	5	\$2,100	
<b>Raceway</b>								
Conduit	100%			2026	\$9,600	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2025	\$30,500	5	\$2,100	
<b>Wiring</b>								
Braided Cloth	10%	2-4	\$2,100	2051	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	90%			2026	\$18,800	1		
<b>Ground</b>								
<b>Grounding Devices</b>								
Not Accessible	100%							
<b>Lighting</b>								
<b>Interior Lighting</b>								
HID	100%			2021	\$655,500	10	\$2,600	
<b>Exterior Lighting</b>								
HID	100%			2021	\$302,900	10	\$200	

**Alarm**

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**DEPARTMENT OF TRANSPORTATION - 841**  
**JEROME - GUN HILL ROAD GARAGE**  
**Asset # : 14317**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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%

2021

\$24,300

1

\$2,900

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Entry And Exit Point**Explanation : CCTV Surveillance Camera System Is Functional*

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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%

2036

\* \*

1

## Conversion Equipment

Radiant Heater

5%

2021

\$66,600

2

\$1,800

No Component

95%

## Air Conditioning

## Energy Source

Electricity

100%

2034

\* \*

1

## Conversion Equipment

Window/Wall Unit

5%

2020

\$7,800

1

No Component

95%

## Plumbing

## H/C Water Piping

Brass/Copper

5%

2036

\* \*

1

No Component

95%

## Water Heater

Electric

5%

2020

\$3,300

4

No Component

95%

## Sanitary Piping

Cast Iron

5%

LIFE

\* \*

1

No Component

95%

## Storm Drain Piping

Cast Iron

100%

LIFE

\* \*

1

## Fixtures

Generic

100%

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : JEROME 190TH ST. GARAGE  
**Address** : JEROME AVE. AND 190TH ST.  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0120.000 / 175 **Yr Built/Renovated** : 1961 / 2007  
**Area Sq Ft** : 149,514 **Project Type** : HIGHWAYS  
**Date of Survey** : 19-Oct-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2,3,4,5,6,7  
**Block** : 3189 **Lot** : 9 **BIN** : 2014125

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$73,000	\$132,600
Interior Architecture	\$1,449,200	\$146,900
Electrical	\$137,100	\$116,000
Mechanical	\$231,200	\$595,600
<b>Total</b>	<b>\$1,890,500</b>	<b>\$991,200</b>
Importance Code A	\$199,600	\$132,600
Importance Code B	\$1,512,900	\$858,600
Importance Code C	\$178,000	
<b>Total</b>	<b>\$1,890,500</b>	<b>\$991,200</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$81,500			\$12,500
Interior Architecture	\$53,000			\$800
Electrical	\$14,000	\$16,800	\$15,700	\$16,700
Mechanical	\$2,800	\$6,000	\$5,900	\$37,900
Site Enclosure	\$300			
Elevators/Escalators	\$13,800	\$13,800	\$13,800	\$13,800
<b>Total</b>	<b>\$165,500</b>	<b>\$36,600</b>	<b>\$35,400</b>	<b>\$81,800</b>
Importance Code A	\$81,500	\$700		\$13,500
Importance Code B	\$30,600	\$35,900	\$35,400	\$68,300
Importance Code C	\$53,400			
<b>Total</b>	<b>\$165,500</b>	<b>\$36,600</b>	<b>\$35,400</b>	<b>\$81,800</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**JEROME 190TH ST. GARAGE**  
**Asset # : 175**

Architecture		Current Repair		Future 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%	0-2	\$17,000	LIFE	**	5	\$29,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	17%	0-2	\$30,800	LIFE	**	5	\$20,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Panel	60%	Now	\$26,000	2038	**	5	\$132,600	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 7th Floor Bulkhead - At Base Of Wall</i>								
Metal Sect. OHD	5%			2033	**	5	\$18,400	
Granite Panels	10%			LIFE	**	5	\$8,800	
Pre-Cast Concrete	3%			LIFE	**	5	\$11,500	
Windows								
Steel	20%	Now	\$73,000	2053	**	5	\$7,500	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Stairs, 1st Floor Spaces And Bulkhead</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Stairs And Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : At Grade</i>								
<i>Explanation : Protective Metal Grilles</i>								
No Component	80%							
Parapets								
Cast in Place Concrete	40%	Now	\$5,400	LIFE	**	5	\$8,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 7th Floor Roof Deck Walls</i>								
Masonry: Brick	10%			LIFE	**	5	\$200	
Metal Panel	45%			2038	**	5	\$3,600	
Metal Rail	5%			2033	**	5-10	\$1,900	
Roof								
Asphalt Macadam	95%	0-2	\$2,400	2033	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Drains Inad/Misposn, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Parking Spaces 401 And 403 - 7th Floor Deck</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%			2033	**	10	\$300	

## 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**JEROME 190TH ST. GARAGE**  
**Asset # : 175**

Architecture		Current 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								
Asphalt Macadam	88%	0-2	\$304,800	2041	**	5	\$73,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Floor Drains And Water Drain Lines - Levels 1, 2, 2.5, 3 And Grid Columns C-5, D-3</i>								
<i>Explanation : Ponding/ Erosion/ Heaving</i>								
Cast in Place Concrete	10%	0-2	\$35,500	LIFE	**	5	\$73,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Level</i>								
Vinyl Tile	2%	0-2	\$58,100	2038	**	3	\$2,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	50%	0-2	\$178,000	LIFE	**			
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Main Entrance And Throughout</i>								
Concrete Masonry Unit	25%	0-2	\$31,300	LIFE	**	5	\$11,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Stairwell</i>								
Masonry: Brick	15%			LIFE	**			
SGFT/Glazed Masonry	10%	0-2	\$21,800	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout First Floor Offices</i>								
Ceilings								
Exposed Concrete	95%	Now	\$872,600	LIFE	**	5	\$33,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Level 1</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 3%</i>								
<i>Location : Grid D-3 Beam</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Level 6.5 At Spots 335-337 And Level 6 Spots 330, 313</i>								
Gypsum Board	5%			LIFE	**	5	\$14,000	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2038	**			
Free Standing Walls								
Cast in Place Concrete	50%	Now	\$300	2048	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : West Wall - Rear Yard</i>								
Masonry: Fieldstone	50%			2028	\$19,000			
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**JEROME 190TH ST. GARAGE**  
**Asset # : 175**

<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%			2041	**			
Parking/Driveway								
Cast in Place Concrete	100%			2033	**			
<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%			2028	\$4,900	5	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Next To Main Office</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 600 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2028	\$74,800	5	\$3,900	
Raceway								
Conduit	90%			2028	\$13,800	1		
Conduit	10%			2048	**	1		
Panelboards								
Molded Case Bkrs	10%			2044	**	5	\$400	
Molded Case Bkrs	90%			2027	\$41,200	5	\$3,500	
Wiring								
Thermoplastic	90%			2028	\$30,000	1		
Thermoplastic	10%			2048	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$2,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Mens Toilet Room</i>								
<i>Explanation : Connected To Metal Water Pipe.</i>								
Lighting								
Interior Lighting								
Fluorescent	4%			2033	**	10	\$5,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Offices</i>								
Fluorescent	96%			2033	**	10	\$131,600	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage</i>								
Egress Lighting								
Exit, Service	100%			2033	**	1		
Exterior Lighting								
HID	100%			2033	**	10	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 17 HID Light Fixtures Controlled By Timer 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**JEROME 190TH ST. GARAGE**  
**Asset # : 175**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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 Generic	100%			2033	**	1	\$55,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 7 CCTV Surveillance Cameras</i>								
Fire/Smoke Detection Generic, Digital	100%			2033	**	1-3	\$92,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Smoke Detector, Strobe Lights, Alarm Bells, 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	100%			2038	**	1		
Conversion Equipment Radiant Heater	5%			2023	\$126,600	2	\$3,500	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Office And Restrooms</i>								
<i>Explanation : 6 Units</i>								
No Component	95%							
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2036	**	1		
Conversion Equipment Window/Wall Unit	5%			2023	\$14,900	1		
No Component	95%							
<b>Ventilation</b>								
Distribution Ductwork/Diffusers	2%			LIFE	**	2-5	\$1,700	
No Component	98%							
Exhaust Fans Interior	3%			2028	\$15,300	2	\$100	
No Component	97%							
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	5%			2038	**	1		
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.  
\*\* Replacement cost estimated to be beyond ten years is not included in this report.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**JEROME 190TH ST. GARAGE**  
**Asset # : 175**

Mechanical		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	3%			2026	\$3,800	4	
		<i>Other Observation, Extent : Light, Area Affected : 3%</i>						
		<i>Location : Staff Restroom</i>						
		<i>Explanation : 1 Unit</i>						
	Electric	2%			2021	\$2,500	4	
		<i>Other Observation, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Public Mens Room</i>						
		<i>Explanation : 1 Unit</i>						
	No Component	95%						
Sanitary Piping								
	Cast Iron	100%	Now	\$104,600	LIFE	**	1	
		<i>Other Observation, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : D3 On Level 1, Level 2 1/2, Level 3 1/2, C5 On Level 2</i>						
		<i>Explanation : Corroded, Cracked And Clogged</i>						
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
Vertical Transport								
Elevators								
	Geared Traction	100%			LIFE	**		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st To 6th Floor, Roof</i>						
		<i>Explanation : 2 Units</i>						
Fire Suppression								
Standpipe								
	Generic	100%			2028	\$595,600	1-5	\$75,400

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : KENT AVENUE BRIDGE COMPLEX GARAGE 1 AND 1A  
**Address** : 372 KENT AVENUE @ WILLIAMSBURG BRIDGE  
**Borough** : BROOKLYN Agency's Number : N/A  
**Program / Asset #** : DOT0095.000 / 551 Yr Built/Renovated : 1930 /  
**Area Sq Ft** : 13,889 Project Type : HIGHWAYS  
**Date of Survey** : 02-Jul-2015 Landmark Status : NONE  
**Areas Surveyed** : Roof, Floors 1,3  
**Block** : 2453 Lot : 1 BIN : 3335960

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$282,900	
Electrical		\$102,800
<b>Total</b>	<b>\$282,900</b>	<b>\$102,800</b>
Importance Code A	\$282,900	
Importance Code B		\$102,800
<b>Total</b>	<b>\$282,900</b>	<b>\$102,800</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$36,600			
Interior Architecture	\$1,200			\$500
Electrical	\$900	\$800	\$700	\$900
Mechanical	\$1,200	\$17,800	\$1,500	\$1,800
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$43,900</b>	<b>\$22,600</b>	<b>\$6,100</b>	<b>\$7,200</b>
Importance Code A	\$37,200	\$800	\$500	\$800
Importance Code B	\$6,700	\$21,700	\$5,600	\$6,400
Importance Code C				
<b>Total</b>	<b>\$43,900</b>	<b>\$22,600</b>	<b>\$6,100</b>	<b>\$7,200</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**KENT AVENUE BRIDGE COMPLEX GARAGE 1 AND 1A**  
**Asset # : 551**

<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>								
Exposed Struc: Steel	5%	Now	\$175,400	LIFE	**	5	\$5,700	1
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout Metal Stairs</i>								
Masonry: Brick	95%	Now	\$107,500	LIFE	**	5	\$34,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Windows</b>								
Aluminum	100%	Now	\$15,300	2042	**	5	\$1,800	
<i>Ctrwt/Balnc Not Funct, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Roof</b>								
Metal Panel	100%	Now	\$21,300	2039	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Drains Clogged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	75%			LIFE	**	5	\$34,100	
Ceramic Tile	5%			2035	**	5	\$1,000	
Vinyl Tile	20%	Now	\$700	2031	**	3	\$1,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Interior Walls</b>								
Concrete Masonry Unit	75%			LIFE	**	5	\$12,900	
Masonry: Brick	25%			LIFE	**			
<b>Ceilings</b>								
Exposed Struc: Steel	20%			LIFE	**			
Gypsum Board	80%			LIFE	**	5	\$16,400	

<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%							
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%			2036	**	5	\$100	
<b>Raceway</b>								
Conduit	100%			2036	**	1		
<b>Panelboards</b>								
Fused Disc Sw	5%			2034	**	5		
Molded Case Bkrs	95%			2034	**	5	\$300	
<b>Wiring</b>								
Thermoplastic	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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**KENT AVENUE BRIDGE COMPLEX GARAGE 1 AND 1A**  
**Asset # : 551**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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%			2031	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	100%			2026	\$31,000	10	\$12,700	
Egress Lighting								
Emergency, Battery	50%			2026	\$9,600	10	\$1,700	
Exit, Service	50%			2026	\$1,900	1		
Exterior Lighting								
HID	50%			2026	\$26,800	10		
No Component	50%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2026	\$12,900	1	\$1,600	
Fire/Smoke Detection								
No Component	30%							
Generic, Digital	70%			2026	\$102,800	1-3	\$6,200	
<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								
Electricity	20%			2046	**	1		
Natural Gas	80%			2046	**	1		
Conversion Equipment								
Hot Water Boiler	80%			2039	**	1	\$5,500	
			<i>Boiler Used For Hot Water, Extent : Light, Area Affected : 80%</i>					
			<i>Location : Boiler Room</i>					
Radiant Heater	20%			2031	**	2	\$1,300	
Distribution								
Hot Wtr Piping/Pump	80%			2042	**	4	\$500	
No Component	20%							
Terminal Devices								
Convactor/Radiator	10%			2039	**	1	\$500	
Unit Heater - Steam	70%			2031	**	4	\$900	
No Component	20%							
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.  
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\*\* Replacement cost estimated to be beyond ten years is not included in this report.

**DEPARTMENT OF TRANSPORTATION - 841**  
**KENT AVENUE BRIDGE COMPLEX GARAGE 1 AND 1A**  
**Asset # : 551**

<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	60%			2021	\$16,600	1	
	No Component	40%						
<b>Ventilation</b>								
Exhaust Fans								
	Wall Unit	40%			2031	**	2	\$200
	No Component	60%						
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%			2046	**	1	
Water Heater								
	Electric	20%			2024	\$2,300	4	
	No Component	80%						
			<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location :</i>					
			<i>Explanation : Not Energy Efficient</i>					
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Non-Submersible	100%			2031	**	4	\$300
Backflow Preventer								
	Generic	100%			2031	**	1	\$900
Fixtures								
	Generic	100%						
<b>Vertical Transport</b>								
Elevators								
	Hydraulic	100%			LIFE	**		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1-3</i>					
			<i>Explanation : 1 Unit</i>					
<b>Fire Suppression</b>								
Sprinkler								
	Generic	100%			2046	**	1-2	\$3,900

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

Estimates are rounded to the nearest hundred dollars.

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : MASPETH CENTRAL SHOPS  
**Address** : 58-50 57TH ROAD  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0096.000 / 169 **Yr Built/Renovated** : 1949 / 1999  
**Area Sq Ft** : 111,850 **Project Type** : HIGHWAYS  
**Date of Survey** : 11-Mar-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 2675 **Lot** : 15 **BIN** : 4059838

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$1,094,600	\$2,545,500
Interior Architecture	\$866,500	\$375,000
Electrical	\$543,400	\$198,800
Mechanical	\$656,700	\$3,705,100
<b>Total</b>	<b>\$3,161,200</b>	<b>\$6,824,400</b>
Importance Code A	\$1,150,000	\$2,595,900
Importance Code B	\$1,905,300	\$4,228,500
Importance Code C	\$106,000	
<b>Total</b>	<b>\$3,161,200</b>	<b>\$6,824,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$7,000		\$23,200	
Interior Architecture		\$5,700	\$11,400	\$5,700
Electrical	\$11,700	\$2,500	\$30,800	\$1,300
Mechanical	\$42,200	\$18,600	\$74,100	\$20,800
<b>Total</b>	<b>\$60,900</b>	<b>\$26,900</b>	<b>\$139,500</b>	<b>\$27,800</b>
Importance Code A	\$8,100	\$10,000	\$33,400	\$10,000
Importance Code B	\$52,800	\$16,900	\$106,100	\$17,800
Importance Code C				
<b>Total</b>	<b>\$60,900</b>	<b>\$26,900</b>	<b>\$139,500</b>	<b>\$27,800</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**MASPETH CENTRAL SHOPS**  
**Asset # : 169**

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	5%			LIFE	**	5	\$37,200	
Concrete Masonry Unit	60%			LIFE	**	5	\$55,700	
Masonry: Brick	25%	Now	\$228,900	LIFE	**	5	\$37,200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade</i>								
Metal Coiling Doors	10%			2032	**	5	\$46,500	
Windows								
Steel	100%	Now	\$151,800	2035	**	5	\$35,600	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Clerstory Windows Above South Bay And Stock Room</i>								
Parapets								
Metal: Cage/Fence	10%	Now	\$7,000	2032	**	5	\$5,500	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
No Component	90%							
Roof								
Modified Bitumen	100%	Now	\$714,000	2027	\$2,379,900			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South Side And Throughout</i>								
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Above Shops And At Curbs Of Clerstory Windows</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**MASPETH CENTRAL SHOPS**  
**Asset # : 169**

<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	75%	Now	\$363,900	LIFE	**	5	\$375,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Shops</i>								
Ceramic Tile	5%			2036	**	5	\$11,400	
Vinyl Tile	20%	Now	\$396,700	2037	**	3	\$17,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Second Floor Corridor And Offices</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Second Floor Corridor And Offices</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Second Floor Corridor And Offices</i>								
<i>Explanation : 9x9 Tiles</i>								
<b>Interior Walls</b>								
Concrete Masonry Unit	75%			LIFE	**	5	\$28,000	
Concrete Masonry Unit	5%	Now	\$106,000	LIFE	**	5	\$1,900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Wall Adjacent To Ramp At 58th Place Entrance</i>								
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Wall Adjacent To Ramp At 58th Place Entrance</i>								
Glass: Single Pane	5%			LIFE	**	5	\$3,500	
Gypsum Board	5%			LIFE	**	5	\$2,800	
Masonry: Brick	10%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2032	**	5	\$22,900	
Exposed Concrete	60%			LIFE	**	5	\$21,400	
Exposed Struc: Steel	10%			LIFE	**			
Plaster	20%			LIFE	**	5	\$28,600	

<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>Service Equipment</b>								
Fused Disc Sw	25%			2027	\$1,200	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room 3</i>								
<i>Explanation : One 225 Amperes Main Disconnect Switch</i>								
Fused Disc Sw	25%			2027	\$1,200	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room 2</i>								
<i>Explanation : One 600 Ampere Main Disconnect Switch</i>								
Fused Disc Sw	50%			2027	\$2,500	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room 1</i>								
<i>Explanation : One 3000 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**MASPETH CENTRAL SHOPS**  
**Asset # : 169**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>								
Switchgear / Switchboard								
Fused Disc Sw	80%			2027	\$59,900	5	\$400	
Molded Case Bkrs	20%			2027	\$15,000	5	\$600	
Raceway								
Conduit	100%			2027	\$15,300	1		
Panelboards								
Fused Disc Sw	5%			2026	\$2,300	5	\$100	
Molded Case Bkrs	95%			2026	\$43,500	5	\$2,800	
Wiring								
Braided Cloth	30%	2-4	\$10,000	2052	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	70%			2027	\$23,300	1		
Motor Controllers								
Locally Mounted	100%			2025	\$95,400	5	\$800	
<b>Ground</b>								
Grounding Devices								
Generic	50%			LIFE	**	5	\$800	
Generic	50%			LIFE	**	5	\$800	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	98%			2032	**	10	\$100,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
HID	2%			2032	**	10	\$100	
Egress Lighting								
Emergency, Battery	50%			2022	\$77,000	10	\$13,500	
Exit, Service	50%			2022	\$15,400	1		
Exterior Lighting								
Incandescent	100%			2022	\$365,900	2	\$200	
<b>Alarm</b>								
Security System								
No Component	90%							
Generic	10%			2032	**	1	\$4,200	
Fire/Smoke Detection								
No Component	90%							
Generic, Digital	10%			2032	**	1-3	\$7,100	

<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>Priority</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**MASPETH CENTRAL SHOPS**  
**Asset # : 169**

Mechanical		Current 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	20%			2037	**	1		
Interruptible Gas/Dual Fuel	80%			2037	**	1		
Conversion Equipment								
Furnace	20%			2027	\$50,400	1	\$11,100	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Roof Top Package Units</i>								
Steam Boiler	80%	Now	\$55,400	2032	**	1	\$79,700	
<i>Malfunctioning, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Control Panel</i>								
<i>Other Observation, Extent : Light, Area Affected : 80%</i>								
<i>Location : 1st Floor Boiler Room</i>								
<i>Explanation : 2 Units</i>								
Distribution								
Central Plant Steam Piping/Pmp	80%			2027	\$1,447,600	4	\$4,400	
No Component	20%							
Terminal Devices								
Air Handler	40%	Now	\$601,400	2037	**	1	\$24,900	
<i>Not in Service, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Roof</i>								
<i>Explanation : 12 Damaged And Corroded Old Units</i>								
Convactor/Radiator	10%			2032	**	1	\$3,600	
Fan Coil Unit/Heat	30%			2027	\$480,400	1	\$10,800	
No Component	20%							
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	20%			2027	\$267,700	2	\$1,400	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Roof Top Package Units</i>								
Window/Wall Unit	10%			2022	\$22,300	1		
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	\$19,700	LIFE	**	2-5	\$62,400	
<i>Damaged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Auto Repair Shop</i>								
<i>Needs Cleaning, 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**MASPETH CENTRAL SHOPS**  
**Asset # : 169**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%	Now	\$17,800	2027	\$177,500	2	\$2,700	
<i>Not in Service, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Roof</i>								
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
Brass/Copper	50%			2037	**	1		
Galvanized Steel	50%			2025	\$234,600	1		
<b>Water Heater</b>								
Electric	5%			2025	\$4,700	4		
Gas Fired	40%			2022	\$26,100	2	\$700	
No Component	55%							
<b>Sanitary Piping</b>								
Cast Iron	100%			LIFE	**	1		
<b>Storm Drain Piping</b>								
Cast Iron	100%			LIFE	**	1		
<b>Fixtures</b>								
Generic	100%							
<b>Fire Suppression</b>								
<b>Sprinkler</b>								
Generic	100%			2027	\$1,046,900	1-2	\$31,300	

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

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : QUEENS FAMILY COURT GARAGE  
**Address** : 150-07 ARCHER AVENUE  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0207.000 / 14320 **Yr Built/Renovated** : 1990 /  
**Area Sq Ft** : 74,000 **Project Type** : HIGHWAYS  
**Date of Survey** : 24-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Floors 1,2,3,4,5  
**Block** : 10092 **Lot** : 6 **BIN** : 4215603

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$67,500	
Interior Architecture	\$1,123,100	\$165,300
Electrical		\$928,600
<b>Total</b>	<b>\$1,190,500</b>	<b>\$1,093,900</b>
Importance Code A	\$67,500	
Importance Code B	\$1,123,100	\$1,093,900
<b>Total</b>	<b>\$1,190,500</b>	<b>\$1,093,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$47,700		\$22,400	
Interior Architecture	\$10,200		\$5,300	\$300
Electrical	\$1,900	\$800	\$1,800	\$800
Mechanical		\$500		\$500
Site Pavements	\$6,300			
Elevators/Escalators	\$4,900	\$4,900	\$4,900	\$4,900
<b>Total</b>	<b>\$71,100</b>	<b>\$6,300</b>	<b>\$34,400</b>	<b>\$6,500</b>
Importance Code A	\$47,700		\$22,400	
Importance Code B	\$17,400	\$6,300	\$12,000	\$6,500
Importance Code C	\$6,000			
<b>Total</b>	<b>\$71,100</b>	<b>\$6,300</b>	<b>\$34,400</b>	<b>\$6,500</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**QUEENS FAMILY COURT GARAGE**  
**Asset # : 14320**

Architecture		Current 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	20%			LIFE	**	5	\$55,600	
Concrete Masonry Unit	20%			LIFE	**	5	\$6,900	
Exposed Struc: Steel	8%			LIFE	**	5	\$13,900	
Masonry: Brick	15%			LIFE	**	5	\$8,300	
Metal Panel	5%			2049	**	5-10	\$9,600	
Metal Sect. OHD	2%			2042	**	5	\$1,700	
Metal: Cage/Fence	25%			2042	**	5	\$30,400	
Window Wall	5%			2049	**	5	\$5,200	
<b>Parapets</b>								
Cast in Place Concrete	20%			LIFE	**	5	\$8,200	
Masonry: Brick	10%			LIFE	**	5-10	\$1,400	
Metal: Cage/Fence	70%			2042	**	5-10	\$10,800	
<b>Roof</b>								
Cast in Place Concrete	95%			LIFE	**	10	\$67,500	
Single Ply Membrane	5%			2034	**	10	\$2,100	
<b>Interior</b>								
<b>Floors</b>								
Asphalt Poured	21%			2042	**	5	\$10,600	
Cast in Place Concrete	75%	4+	\$40,100	LIFE	**	5	\$165,300	
			<i>Horizontal Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					
			<i>Water Penetration, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
Ceramic Tile	2%	Now	\$4,000	2032	**	5	\$1,000	
			<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Toilet</i>					
			<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Toilet</i>					
Vinyl Tile	2%			2029		3	\$1,000	
<b>Interior Walls</b>								
Cast in Place Concrete	25%	Now	\$3,100	LIFE	**			
			<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Toilet</i>					
			<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Toilet</i>					
Concrete Masonry Unit	75%			LIFE	**	5	\$5,800	
<b>Ceilings</b>								
Exposed Struc: Steel	100%	Now	\$1,083,000	LIFE	**			
			<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					

## Site Pavements

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**QUEENS FAMILY COURT GARAGE**  
**Asset # : 14320**

Architecture		Current 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	75%	4+	\$2,300	2042		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Sinking/Subsiding, Extent : Light, Area Affected : 2%</i>								
<i>Location : West Side</i>								
Pavers/Stone	25%	0-2	\$4,000	2032		**		
<i>Sinking/Subsiding, Extent : Light, Area Affected : 10%</i>								
<i>Location : North Side</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2042		**		

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2039		**	5	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room Lower Level</i>								
<i>Explanation : One 800 Ampere</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2039		**	5	\$1,900
Raceway								
Conduit	100%			2039		**	1	
Panelboards								
Fused Disc Sw	10%			2037		**	5	\$200
Molded Case Bkrs	90%			2037		**	5	\$1,800
Wiring								
Thermoplastic	100%			2039		**	1	
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$2,200
Lighting								
Interior Lighting								
Fluorescent	10%			2029	\$15,000		10	\$6,200
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Office, Bathroom And Electrical Room</i>								
HID	90%			2029	\$505,300		10	\$2,000
Egress Lighting								
Emergency, Battery	75%			2029	\$69,500		10	\$12,200
Exit, Service	25%			2029	\$4,600		1	
Exterior Lighting								
HID	100%			2029	\$285,200		10	\$200

## Alarm

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**DEPARTMENT OF TRANSPORTATION - 841**  
**QUEENS FAMILY COURT GARAGE**  
**Asset # : 14320**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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%

2029

\$68,500

1

\$8,300

*Other Observation, Extent : Light, Area Affected : 100%**Location : Inside And Outside**Explanation : 16 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

Electricity

100%

2039

\* \*

1

## Conversion Equipment

Radiant Heater

5%

2024

\$600

2

*Other Observation, Extent : Light, Area Affected : 2%**Location : Pay Booths**Explanation : 2 Units*

No Component

95%

## Distribution

Ductwork/Diffusers

3%

LIFE

\* \*

2-5

No Component

97%

## Terminal Devices

Fan Coil Unit/Heat

3%

2029

1

No Component

97%

**Air Conditioning**

## Energy Source

Electricity

100%

2037

\* \*

1

## Conversion Equipment

Heat Pump Air Sourced

3%

2027

\$19,100

2

\$100

*R-22 Refrigerant, Extent : Light, Area Affected : 3%**Location : Office**Other Observation, Extent : Light, Area Affected : 3%**Location : Office**Explanation : 1 Unit - Providing Both Heating and Cooling For Office Only*

Window/Wall Unit

2%

2024

\$2,700

1

No Component

95%

## Heat Rejection

Air Cooled Condenser

5%

2029

\$300

2

\$2,300

Unit

No Component

95%

**Plumbing**

## H/C Water Piping

Brass/Copper

3%

2039

\* \*

1

No Component

97%

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**DEPARTMENT OF TRANSPORTATION - 841**  
**QUEENS FAMILY COURT GARAGE**  
**Asset # : 14320**

<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	5%			2024	\$2,800	4	
	No Component	95%						
	Sanitary Piping							
	Cast Iron	5%			LIFE	**	1	
	No Component	95%						
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	Not Accessible	100%						
	Fixtures							
	Generic	100%						
<b>Vertical Transport</b>								
	Elevators							
	Hydraulic	100%			LIFE	**		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Ground To Sixth Floor</i>				
				<i>Explanation : 1 Unit</i>				
<b>Fire Suppression</b>								
	Standpipe							
	Generic	100%			2039	**	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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : STATEN ISLAND COURTHOUSE GARAGE  
**Address** : 54 CENTRAL AVE.  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : DOT0210.000 / 14557 **Yr Built/Renovated** : 2010 /  
**Area Sq Ft** : 223,760 **Project Type** : HIGHWAYS  
**Date of Survey** : 10-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,3,5,6  
**Block** : 6 **Lot** : 21 **BIN** : 5151736

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture		\$453,700
Interior Architecture		\$748,300
Mechanical	\$29,200	\$901,900
<b>Total</b>	<b>\$29,200</b>	<b>\$2,103,900</b>
Importance Code A		\$453,700
Importance Code B	\$29,200	\$1,650,200
<b>Total</b>	<b>\$29,200</b>	<b>\$2,103,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$25,800		\$22,100	
Interior Architecture	\$8,400	\$4,500		\$800
Electrical	\$5,000	\$4,200	\$4,200	\$6,000
Mechanical	\$48,400	\$11,300	\$61,600	\$15,500
Elevators/Escalators	\$9,900	\$9,900	\$9,900	\$9,900
<b>Total</b>	<b>\$97,500</b>	<b>\$29,800</b>	<b>\$97,700</b>	<b>\$32,200</b>
Importance Code A	\$43,800		\$40,100	\$500
Importance Code B	\$53,700	\$28,700	\$57,600	\$31,700
Importance Code C		\$1,100		
<b>Total</b>	<b>\$97,500</b>	<b>\$29,800</b>	<b>\$97,700</b>	<b>\$32,200</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**STATEN ISLAND COURTHOUSE GARAGE**  
**Asset # : 14557**

<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	7%			LIFE	**	5	\$41,200	
Cast in Place Concrete	70%			LIFE	**	5	\$412,500	
Masonry: Limestone	3%			LIFE	**	5	\$2,700	
Metal: Cage/Fence	10%			2040	**	5	\$51,600	
Window Wall	10%			2047	**	5	\$44,200	
<b>Windows</b>								
Aluminum	100%			2043	**	5		
<b>Parapets</b>								
Cast in Place Concrete	100%			LIFE	**	5	\$21,300	
<b>Roof</b>								
Cast in Place Concrete	100%			LIFE	**			
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	96%			LIFE	**	5	\$703,300	
Ceramic Tile	2%			2036	**	5	\$6,700	
Vinyl Tile	2%			2032	**	3	\$3,300	
<b>Interior Walls</b>								
Cast in Place Concrete	80%			LIFE	**			
Ceramic Tile	2%			2036	**	5	\$2,200	
Concrete Masonry Unit	10%			LIFE	**	5	\$4,400	
Gypsum Board	2%			LIFE	**	5	\$1,300	
Metal: Cage/Fence	6%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%			2040	**	5	\$15,100	
Exposed Concrete	95%			LIFE	**	5	\$45,000	

<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>								
Fused Disc Sw	100%			2053	**	5	\$1,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 1200 Amperes Main Disconnect Switch</i>								
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%			2053	**	5	\$1,000	
<b>Raceway</b>								
Conduit	100%			2053	**	1		
<b>Panelboards</b>								
Fused Disc Sw	10%			2049	**	5	\$500	
Molded Case Bkrs	90%			2049	**	5	\$5,300	
<b>Wiring</b>								
Thermoplastic	100%			2053	**	1		

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**STATEN ISLAND COURTHOUSE GARAGE**  
**Asset # : 14557**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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	\$1,500	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$3,300	
Lighting								
Interior Lighting								
Fluorescent	10%			2035	**	10	\$20,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Office, Staircase, Mechanical Room And Electrical Room</i>						
		<i>Explanation : T-8 Lamps</i>						
HID	90%			2035	**	10	\$6,500	
Egress Lighting								
Emergency, Battery	50%			2035	**	10	\$27,000	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : Emergency Battery Power Supplies - Lighting And Elevators</i>						
Exit, Service	50%			2035	**	1		
Exterior Lighting								
HID	100%			2035	**	10	\$700	
Alarm								
Security System								
No Component	80%							
Generic	20%			2035	**	1	\$16,700	
Fire/Smoke Detection								
No Component	80%							
Generic, Digital	20%			2035	**	1-3	\$28,400	
<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>	
Heating								
Energy Source								
Electricity	100%			2053	**	1		
Conversion Equipment								
Heat Pump Air Sourced	40%			2028		2	\$27,700	
Radiant Heater	60%			2032	**	2	\$62,300	
		<i>Other Observation, Extent : Light, Area Affected : 60%</i>						
		<i>Location : Garage Office And Restrooms</i>						
		<i>Explanation : Electric Base Board And Unit Heaters</i>						
Terminal Devices								
Fan Coil Unit/Heat	40%			2032	**	1	\$28,900	
No Component	60%							
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**STATEN ISLAND COURTHOUSE GARAGE**  
**Asset # : 14557**

<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>								
<b>Conversion Equipment</b>								
	Heat Pump Air Sourced	40%		2028	\$846,500	2	\$5,500	
	No Component	60%						
<b>Terminal Devices</b>								
	Fan Coil - 4 Pipe	40%		2032	**	1	\$28,900	
	No Component	60%						
<b>Heat Rejection</b>								
	Dry Cooler	40%		2032	**	2	\$62,300	
	<i>Other Observation, Extent : Light, Area Affected : 40%</i>							
	<i>Location : Garage Office And Elevator Equipment Room</i>							
	<i>Explanation : Split Unit Condensers</i>							
	No Component	60%						
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	100%		LIFE	**	2-5	\$124,800	
<b>Exhaust Fans</b>								
	Interior	100%		2032	**	2	\$6,900	
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Brass/Copper	100%		2053	**	1		
<b>Water Heater</b>								
	Not Accessible	100%						
<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%		2035	**	1	\$13,700	
<b>Fixtures</b>								
	Generic	100%						
<b>Vertical Transport</b>								
<b>Elevators</b>								
	Hydraulic	100%		LIFE	**			
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Northeast Corner Of Garage</i>							
	<i>Explanation : 2 Units</i>							
<b>Fire Suppression</b>								
<b>Standpipe</b>								
	Generic	100%		2053	**	1-5	\$117,000	

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : STATEN ISLAND SIGN SHOP  
**Address** : 34 WAVE STREET BTWN BAY ST. - S.I. RAILWAY  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : DOT0219.000 / 14717 **Yr Built/Renovated** : 1951 /  
**Area Sq Ft** : 12,800 **Project Type** : HIGHWAYS  
**Date of Survey** : 22-May-2018 **Landmark Status** : NONE  
**Areas Surveyed** : Floors 1  
**Block** : 489 **Lot** : 48 **BIN** : 5013187

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Exterior Architecture	\$103,700	\$83,900
Interior Architecture	\$42,800	\$44,100
<b>Total</b>	<b>\$146,500</b>	<b>\$128,000</b>
Importance Code A	\$103,700	\$83,900
Importance Code B	\$42,800	\$44,100
<b>Total</b>	<b>\$146,500</b>	<b>\$128,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$75,200		\$3,100	
Interior Architecture	\$53,700		\$700	\$100
Electrical	\$1,900	\$200	\$200	\$400
Mechanical	\$5,800	\$2,200	\$2,800	\$1,900
<b>Total</b>	<b>\$136,700</b>	<b>\$2,400</b>	<b>\$6,800</b>	<b>\$2,300</b>
Importance Code A	\$76,200	\$1,000	\$4,000	\$1,000
Importance Code B	\$37,800	\$1,400	\$2,800	\$1,400
Importance Code C	\$22,700			
<b>Total</b>	<b>\$136,700</b>	<b>\$2,400</b>	<b>\$6,800</b>	<b>\$2,300</b>



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

**DEPARTMENT OF TRANSPORTATION - 841**  
**STATEN ISLAND SIGN SHOP**  
**Asset # : 14717**

Architecture		Current Repair		Future 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	\$16,700	LIFE	**	5	\$2,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	85%	Now	\$103,700	LIFE	**	5	\$33,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Side Alley</i>								
Metal Coiling Doors	5%			2042	**	5	\$6,200	
Windows								
Aluminum	100%			2045	**	5	\$2,900	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$15,600	
Masonry: Brick	90%	Now	\$29,200	LIFE	**	5	\$4,900	
<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>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Roof								
Roll Roofing	100%			2025	\$83,900	5	\$33,200	
Interior								
Floors								
Cast in Place Concrete	95%	0-2	\$42,800	LIFE	**	5	\$44,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Quarry Tile	1%			2042	**	5	\$300	
Vinyl Tile	4%	0-2	\$700	2034	**	3	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	5%			LIFE	**	10	\$2,400	
Concrete Masonry Unit	95%	Now	\$20,300	LIFE	**	5	\$7,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Moderate, 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**STATEN ISLAND SIGN SHOP**  
**Asset # : 14717**

<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	5%			2042	**	5	\$1,100	
Exposed Struc: Wood	95%			LIFE	**	10	\$30,300	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Mid Span</i>								
<i>Explanation : Repair Of Bow String Truss</i>								
<b>Site Enclosure</b>								
Fence/Gates								
Chain Link	100%			2049	**			
<b>Site Pavements</b>								
Public Sidewalk								
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	\$1,500	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : Two 400 Ampere Main Disconnect Switches</i>								
Raceway								
Conduit	100%			2029	\$3,800	1		
Panelboards								
Fused Disc Sw	5%			2028	\$400	5		
Molded Case Bkrs	95%			2028	\$7,200	5	\$300	
Wiring								
Thermoplastic	100%			2029	\$8,300	1		
Motor Controllers								
Locally Mounted	100%			2027	\$14,700	5	\$100	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$400	
<b>Lighting</b>								
Interior Lighting								
LED	100%			2039	**			
Egress Lighting								
Emergency, Battery	50%			2024	\$8,800	10	\$1,500	
Exit, Service	50%			2024	\$1,800	1		
Exterior Lighting								
LED	100%			2039	**			
<b>Alarm</b>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**DEPARTMENT OF TRANSPORTATION - 841**  
**STATEN ISLAND SIGN SHOP**  
**Asset # : 14717**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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	80%							
Generic	20%			2029	\$7,900	1	\$1,000	

Fire/Smoke Detection								
No Component	90%							
Generic, Analog	10%			2024	\$13,500	1-3	\$800	

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

*Location : Gas Pump Outside*

*Explanation : Only To The Gas Pump*

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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								
Furnace	50%			2034	**	1	\$3,200	
Steam Boiler	50%			2046	**	1	\$6,300	

Distribution								
Central Plant Steam Piping/Pmp	100%			2049	**	4	\$900	

Terminal Devices								
Convactor/Radiator	100%			2042	**	1	\$4,100	

## Air Conditioning

Energy Source								
Electricity	100%			2045	**	1		

Conversion Equipment								
Window/Wall Unit	5%			2027	\$1,300	1		
No Component	95%							

## Ventilation

Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$11,300	

Exhaust Fans								
Interior	100%			2034	**	2	\$400	

## Plumbing

H/C Water Piping								
Brass/Copper	100%			2049	**	1		

Water Heater								
Gas Fired	100%			2027	\$7,500	2	\$200	

Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

Storm Drain Piping								
Not Accessible	100%							

Sump Pump(s)								
Non-Submersible	100%			2034	**	4	\$300	

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**STATEN ISLAND SIGN SHOP**  
**Asset # : 14717**

<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								
	Sprinkler							
	Generic	100%			2049	**	1-2	\$3,600

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
Estimates are rounded to the nearest hundred dollars.  
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : SUNRISE YARD  
**Address** : 88-26 PITKIN AVE.  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0208.000 / 14436 **Yr Built/Renovated** : 2009 /  
**Area Sq Ft** : 25,000 **Project Type** : HIGHWAYS  
**Date of Survey** : 15-Jan-2015 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 11368 **Lot** : 20 **BIN** : 4863171

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Interior Architecture		\$50,800
Mechanical		\$101,600
<b>Total</b>		<b>\$152,400</b>
Importance Code B		\$152,400
<b>Total</b>		<b>\$152,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Exterior Architecture	\$27,600			
Interior Architecture		\$2,900	\$700	\$3,900
Electrical	\$1,700	\$28,100	\$2,500	\$1,700
Mechanical	\$14,700	\$3,300	\$9,300	\$3,300
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$47,900</b>	<b>\$38,200</b>	<b>\$16,500</b>	<b>\$12,800</b>
Importance Code A	\$28,800	\$1,300	\$1,200	\$1,200
Importance Code B	\$19,000	\$37,000	\$15,200	\$11,600
Importance Code C				
<b>Total</b>	<b>\$47,900</b>	<b>\$38,200</b>	<b>\$16,500</b>	<b>\$12,800</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**SUNRISE YARD**  
**Asset # : 14436**

<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	25%			LIFE	**	5		
Masonry: Brick Cavity	25%			LIFE	**	5		
Metal Panel	10%			2052	**	5-10		
Metal Coiling Doors	5%			2043	**	5		
Pre-Cast Concrete	5%			LIFE	**	5		
Window Wall	30%			2052	**	5		
<b>Windows</b>								
Aluminum	95%			2048	**	5		
Metal Louvers	5%			2039	**	10		
<b>Roof</b>								
Metal Panel	75%	Now	\$27,600	2043	**			
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Over Office At West Side</i>								
Not Accessible	25%							
<b>Interior</b>								
<b>Floors</b>								
Carpet	15%			2027	\$75,600	3	\$8,700	
Cast in Place Concrete	60%			LIFE	**	5	\$50,800	
Ceramic Tile	10%			2039	**	5	\$3,900	
Vinyl Tile	15%			2034	**	3	\$2,200	
<b>Interior Walls</b>								
Ceramic Tile	10%			2039	**	5	\$8,300	
Concrete Masonry Unit	55%			LIFE	**	5	\$18,200	
Glass: Single Pane	15%			LIFE	**	5	\$9,300	
Gypsum Board	10%			LIFE	**	5	\$5,000	
Masonry: Brick	5%			LIFE	**			
SGFT/Glazed Masonry	5%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	20%			2043	**	5	\$7,700	
Exposed Struc: Steel	40%			LIFE	**			
Metal Panel	40%			LIFE	**	5	\$19,300	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Office At 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%			2046	**	5	\$100	
<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%			2046	**	5	\$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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**SUNRISE YARD**  
**Asset # : 14436**

<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	100%			2046	**	1	
<b>Panelboards</b>								
	Fused Disc Sw	5%			2042	**	5	
	Molded Case Bkrs	95%			2042	**	5	\$600
<b>Wiring</b>								
	Thermoplastic	100%			2046	**	1	
<b>Motor Controllers</b>								
	Locally Mounted	70%			2039	**	5	\$100
	Variable Frequency Drive	30%			2039	**		
<b>Ground</b>								
<b>Grounding Devices</b>								
	Generic	100%			LIFE	**	5	\$400
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Water Main</i>				
				<i>Explanation : Connected With Main Water Pipe</i>				
<b>Lighting</b>								
<b>Interior Lighting</b>								
	Fluorescent	90%			2031	**	10	\$20,600
				<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Throughout The Building</i>				
	Fluorescent	10%			2031	**	10	\$2,300
				<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Offices</i>				
<b>Egress Lighting</b>								
	Emergency, Battery	50%			2031	**	10	\$3,000
	Exit, LED	50%			2054	**	1	
<b>Exterior Lighting</b>								
	HID	100%			2031	**	10	\$100
<b>Alarm</b>								
<b>Security System</b>								
	No Component	70%						
	Generic	30%			2031	**	1	\$2,800
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Outside And Garage</i>				
				<i>Explanation : CCTV Surveillance Cameras</i>				
<b>Fire/Smoke Detection</b>								
	Generic, Digital	100%			2031	**	1-3	\$15,400
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Throughout The Building</i>				
				<i>Explanation : Strobe Lights, Manual Pull Stations, Horns, Alarm Bells And Manual Pull Stations</i>				

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**DEPARTMENT OF TRANSPORTATION - 841**  
**SUNRISE YARD**  
**Asset # : 14436**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2039	**	1	\$12,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Boiler Room</i>								
<i>Explanation : 2 Units</i>								
Distribution								
Hot Wtr Piping/Pump	100%	Now	\$1,900	2048	**	4	\$1,200	
<i>Malfunctioning, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Bms System</i>								
Terminal Devices								
Air Handler	60%	Now	\$10,100	2031	**	1	\$8,400	
<i>Not in Service, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 1st Floor Lunch Area</i>								
Not Accessible	40%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Hot Water Heating Tubes Are Under Ground In The Shop</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		
Conversion Equipment								
Int Pkg Unit - Heating/Cooling	20%			2027	\$101,600	2	\$300	
<i>R-134a Refrigerant, Extent : Light, Area Affected : 20%</i>								
<i>Location : Office Area</i>								
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$13,900	
Exhaust Fans								
Interior	100%			2031	**	2	\$800	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Gas Fired	100%			2024	\$14,600	2	\$400	
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
Vertical Transport								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**SUNRISE YARD**  
**Asset # : 14436**

<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>
Vertical Transport	Elevators							
	Hydraulic	100%			LIFE		**	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1-2</i>								
<i>Explanation : 1 Unit</i>								
Fire Suppression	Standpipe							
	Generic	100%			2052		**	1-5 \$12,600
	Sprinkler							
	Generic	100%			2046		**	1-2 \$7,000

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : WEBSTER AVENUE FLEET SERVICES MAINTENANCE AND REPAIR SHOP  
**Address** : 2144 WEBSTER AVENUE @E. 181 STREET  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0097.000 / 2847 **Yr Built/Renovated** : 2002 /  
**Area Sq Ft** : 46,400 **Project Type** : HIGHWAYS  
**Date of Survey** : 14-Sep-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 3030 **Lot** : 6 **BIN** : 2011133

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$342,100	\$311,600
Interior Architecture	\$4,688,100	\$127,500
Electrical		\$850,400
<b>Total</b>	<b>\$5,030,200</b>	<b>\$1,289,500</b>
Importance Code A	\$342,100	\$311,600
Importance Code B	\$4,261,600	\$977,900
Importance Code C	\$426,500	
<b>Total</b>	<b>\$5,030,200</b>	<b>\$1,289,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$52,600			
Interior Architecture	\$44,400			\$1,000
Electrical	\$4,300	\$4,900	\$5,200	\$5,200
Mechanical	\$6,700	\$5,700	\$7,800	\$24,600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$112,000</b>	<b>\$14,500</b>	<b>\$17,000</b>	<b>\$34,800</b>
Importance Code A	\$55,200	\$2,200	\$1,100	\$2,300
Importance Code B	\$48,600	\$12,300	\$15,800	\$32,400
Importance Code C	\$8,300			
<b>Total</b>	<b>\$112,000</b>	<b>\$14,500</b>	<b>\$17,000</b>	<b>\$34,800</b>



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**DEPARTMENT OF TRANSPORTATION - 841**  
**WEBSTER AVENUE FLEET SERVICES MAINTENANCE AND REPAIR SHOP**

**Asset # : 2847**

Architecture		Current Repair		Future 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	65%			LIFE	**	5	\$27,400	
Glass Block	5%	Now	\$8,600	LIFE	**	5	\$2,100	
	<i>Water Penetration, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Throughout</i>							
Metal Panel	15%	Now	\$14,900	2048	**	5	\$19,000	
	<i>Deformed/Dented, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Throughout</i>							
Metal Coiling Doors	10%	Now	\$39,100	2041	**	5	\$10,600	
	<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Throughout</i>							
Pre-Cast Concrete	5%			LIFE	**	5	\$11,000	
Windows								
Fiberglass Panel	90%	Now	\$13,500	2044	**	5	\$9,500	
	<i>Water Penetration, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Over Main Shop</i>							
Metal Louvers	10%			2037	**	10	\$3,500	
Parapets								
Concrete Masonry Unit	20%			LIFE	**	5	\$2,400	
Masonry: Brick	25%	Now	\$15,600	LIFE	**	5	\$2,700	
	<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Along Flashing</i>							
Metal Security Bars	30%			2056	**			
Pre-Cast Concrete	25%			LIFE	**	5	\$16,700	
Roof								
Built-Up (BUR)	35%	Now	\$124,600	2028	\$311,600			
	<i>Alligatoring, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Throughout</i>							
	<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : Throughout</i>							
Metal Panel	55%	Now	\$81,400	2041	**			
	<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Fascia At North Side</i>							
	<i>Miss/Damaged Flashings, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Throughout</i>							
	<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Throughout</i>							
	<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : Throughout</i>							
Skylight, Metal/Glass	10%	Now	\$96,900	2048	**			
	<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Throughout</i>							

Interior

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**DEPARTMENT OF TRANSPORTATION - 841**  
**WEBSTER AVENUE FLEET SERVICES MAINTENANCE AND REPAIR SHOP**

**Asset # : 2847**

<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	85%	Now	\$61,900	LIFE	**	5	\$127,500		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
Ceramic Tile	3%	2-4	\$4,100	2037	**	5	\$1,000		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Vinyl Tile	12%	Now	\$28,600	2033	**	3	\$3,100		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>									
<i>Location : Throughout</i>									
<b>Interior Walls</b>									
Concrete Masonry Unit	70%	Now	\$359,400	LIFE	**	5	\$31,700		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
Glass: Single Pane	5%	Now	\$3,500	LIFE	**	5	\$4,200		
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Conference Room</i>									
Gypsum Board	10%	Now	\$4,800	LIFE	**	5	\$6,800		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
SGFT/Glazed Masonry	15%	Now	\$67,100	LIFE	**				
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
<b>Ceilings</b>									
Exposed Struc: Steel	95%	Now	\$4,199,700	LIFE	**				
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
Gypsum Board	5%	Now	\$3,500	LIFE	**	5	\$4,300		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, 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

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**DEPARTMENT OF TRANSPORTATION - 841**  
**WEBSTER AVENUE FLEET SERVICES MAINTENANCE AND REPAIR SHOP**  
**Asset # : 2847**

<b>Electrical</b>	<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2038	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : Main Service Switch Rated At 2500 Amperes.</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2038	**	5	\$1,200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : 2- Sections Of Main Distribution Board</i>						
Raceway								
Conduit	100%			2038	**	1		
Panelboards								
Fused Disc Sw	5%			2036	**	5	\$100	
Molded Case Bkrs	95%			2036	**	5	\$1,200	
Wiring								
Thermoplastic	100%			2038	**	1		
Motor Controllers								
Locally Mounted	100%			2033	**	5	\$300	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$700	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Water Meter Room</i>						
		<i>Explanation : Connected To Main Water Pipe.</i>						
<b>Lighting</b>								
Interior Lighting								
Fluorescent	15%			2028	\$19,300	10	\$6,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Offices, Mechanical, Electrical Rooms</i>						
		<i>Explanation : Surface Mounted Fluorescent Light Fixtures With T-8 Lamps</i>						
Fluorescent	5%			2028	\$6,400	10	\$2,100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Conference Room And Stair Case</i>						
		<i>Explanation : Recessed Mounted Compact Fluorescent Light Fixtures</i>						
HID	80%			2028	\$37,900	10	\$1,200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Repair Shops</i>						
		<i>Explanation : Pendant Mounted HID Lights</i>						
Egress Lighting								
Emergency, Battery	50%			2028	\$31,900	10	\$5,600	
Exit, Service	50%			2028	\$2,600	1		
Exterior Lighting								
HID	100%			2028	\$178,800	10	\$100	
<b>Alarm</b>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**WEBSTER AVENUE FLEET SERVICES MAINTENANCE AND REPAIR SHOP**

**Asset # : 2847**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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  
Generic

100%      2028      \$143,300      1      \$17,300  
*Other Observation, Extent : Moderate, Area Affected : 100%*  
*Location : Shops And Outside*  
*Explanation : CCTV Surveillance Camera Systems*

Fire/Smoke Detection  
Generic, Digital

100%      2028      \$490,400      1-3      \$28,600  
*Other Observation, Extent : Moderate, Area Affected : 100%*  
*Location : Throughout The Building*  
*Explanation : Strobe Lights, Manual Pull Stations, 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

Electricity      25%      2048      \* \*      1  
 Natural Gas      75%      2048      \* \*      1

Conversion Equipment

Furnace      50%      0-2      \$2,600      2033      \* \*      1      \$10,300  
*Malfunctioning, Extent : Severe, Area Affected : 10%*  
*Location : Compressor Not Working Of Unit #5, On The Roof.*  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Roof*  
*Explanation : 5 Units - Included In AC System*

Radiant Heater

25%      2033      \* \*      2      \$5,400  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Offices, 1st Floor*  
*Explanation : 15 Units*

No Component

25%

**Air Conditioning**

Energy Source

Electricity      100%      2044      \* \*      1

Conversion Equipment

Ext Pkg Unit - Heating/Cooling      100%      2033      \* \*      2      \$2,800  
*R-22 Refrigerant, Extent : Light, Area Affected : 100%*  
*Location : AC Units On The Roof*  
*Other Observation, Extent : Light, Area Affected : 100%*  
*Location : Roof*  
*Explanation : 5 Units*

Terminal Devices

Air Handler/Cool/Ht      5%      Now      \$1,200      2028      \$24,900      1      \$1,300  
*Malfunctioning, Extent : Moderate, Area Affected : 10%*  
*Location : Control System. Penthouse*

No Component

95%

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**DEPARTMENT OF TRANSPORTATION - 841**  
**WEBSTER AVENUE FLEET SERVICES MAINTENANCE AND REPAIR SHOP**  
**Asset # : 2847**

<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>Heat Rejection</b>								
	Air Cooled Condenser Unit	5%			2033	**	2	\$1,600
	No Component	95%						
<b>Ventilation</b>								
<b>Distribution</b>								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$25,900
<b>Exhaust Fans</b>								
	Interior	90%			2033	**	2	\$1,300
	Roof	10%			2033	**	2	\$100
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
	Galvanized Steel	100%			2045	**	1	
<b>Water Heater</b>								
	Electric	30%			2026	\$11,700	4	\$100
	Gas Fired	70%			2023	\$18,900	2	\$500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room, 2nd Floor</i>								
<i>Explanation : One Unit</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%			2036	**	1	\$2,800
<b>Fixtures</b>								
	Generic	100%						
<b>Vertical Transport</b>								
<b>Elevators</b>								
	Hydraulic	100%			LIFE	**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st To 2nd Floor</i>								
<i>Explanation : One Unit</i>								
<b>Fire Suppression</b>								
<b>Sprinkler</b>								
	Generic	100%			2048	**	1-2	\$13,000
<b>Fire Pump</b>								
	Generic	100%			2037	**	1	\$8,700

*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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : WEBSTER AVENUE YARD STAGING GARAGE AND SIGN SHOP  
**Address** : 4409 PARK AVENUE @E. 181 STREET  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0097.010 / 13606 **Yr Built/Renovated** : 2002 /  
**Area Sq Ft** : 36,850 **Project Type** : HIGHWAYS  
**Date of Survey** : 16-Sep-2016 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 3030 **Lot** : 6 **BIN** : 2100288

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Exterior Architecture	\$269,000	
Interior Architecture	\$73,200	\$135,000
Electrical		\$817,700
Mechanical		\$8,300
<b>Total</b>	<b>\$342,100</b>	<b>\$960,900</b>
Importance Code A	\$269,000	\$8,300
Importance Code B		\$952,600
Importance Code C	\$73,200	
<b>Total</b>	<b>\$342,100</b>	<b>\$960,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Exterior Architecture	\$48,100		\$8,900	\$12,700
Interior Architecture	\$14,500	\$2,300	\$2,700	
Electrical	\$3,400	\$3,900	\$4,100	\$4,100
Mechanical	\$20,800	\$3,700	\$6,200	\$25,200
<b>Total</b>	<b>\$86,900</b>	<b>\$10,000</b>	<b>\$21,900</b>	<b>\$42,000</b>
Importance Code A	\$53,700	\$2,000	\$10,500	\$14,700
Importance Code B	\$33,200	\$8,000	\$9,700	\$27,300
Importance Code C			\$1,700	
<b>Total</b>	<b>\$86,900</b>	<b>\$10,000</b>	<b>\$21,900</b>	<b>\$42,000</b>



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**DEPARTMENT OF TRANSPORTATION - 841**  
**WEBSTER AVENUE YARD STAGING GARAGE AND SIGN SHOP**

**Asset # : 13606**

Architecture		Current Repair		Future Replacement		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	60%			LIFE	**	5	\$25,300	
			<i>Water Penetration, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Front Main Office Entrance</i>					
Fiberglass Panel	7%			2037	**	5	\$17,700	
Glass Block	5%			LIFE	**	5	\$2,100	
Glazed Ceramic Panel	3%			LIFE	**	5	\$9,500	
Metal Panel	10%			2048	**	5-10	\$46,400	
Metal Coiling Doors	10%	Now	\$19,600	2041	**	5	\$10,600	
			<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
Pre-Cast Concrete	5%	Now	\$5,700	LIFE	**	5	\$11,000	
			<i>Expansion Jnt Failure, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
Parapets								
Cast in Place Concrete	30%	Now	\$4,100	LIFE	**	5	\$32,900	
			<i>Expansion Jnt Failure, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
Masonry: Brick	60%	Now	\$18,800	LIFE	**	5	\$6,400	
			<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Interior Face</i>					
			<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					
			<i>Miss/Damaged Flashings, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
Metal Security Bars	10%			2056	**			
Roof								
Built-Up (BUR)	35%	Now	\$124,600	2033	**			
			<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					
			<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>					
			<i>Location : Throughout</i>					
Metal Panel	65%	Now	\$144,300	2041	**			
			<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
			<i>Water Penetration, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					
Interior								
Floors								
Cast in Place Concrete	90%	Now	\$13,100	LIFE	**	5	\$135,000	
			<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
Ceramic Tile	3%			2037	**	5	\$2,100	
Vinyl Tile	7%			2033	**	3	\$1,800	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**WEBSTER AVENUE YARD STAGING GARAGE AND SIGN SHOP**

**Asset # : 13606**

<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%			2037	**	5	\$3,400	
Concrete Masonry Unit	57%	0-2	\$73,200	LIFE	**	5	\$25,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Glass: Single Pane	5%			LIFE	**	5	\$4,200	
Gypsum Board	10%			LIFE	**	5	\$6,800	
SGFT/Glazed Masonry	25%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	5%			2041	**	5	\$3,400	
Exposed Struc: Steel	85%			LIFE	**			
Gypsum Board	10%	0-2	\$1,400	LIFE	**	5	\$8,600	
<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>Service Equipment</b>								
Fused Disc Sw	100%			2038	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 2- Main Service Switches Rated At 400 Amperes And 600 Amperes.</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2038	**	5	\$1,000	
<b>Raceway</b>								
Conduit	100%			2038	**	1		
<b>Panelboards</b>								
Fused Disc Sw	5%			2036	**	5		
Molded Case Bkrs	95%			2036	**	5	\$900	
<b>Wiring</b>								
Thermoplastic	100%			2038	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2033	**	5	\$200	
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Meter Room</i>								
<i>Explanation : Connected To Metal Water Pipe</i>								

**Lighting**

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**DEPARTMENT OF TRANSPORTATION - 841**  
**WEBSTER AVENUE YARD STAGING GARAGE AND SIGN SHOP**  
**Asset # : 13606**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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	60%			2028	\$49,400	10	\$20,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Offices</i>								
<i>Explanation : Surface Mounted And Recessed Mounted Fluorescent Light Fixtures With T-8 Lamps</i>								
HID	40%			2028	\$122,900	10	\$500	
<b>Egress Lighting</b>								
Exit, Service	50%			2028	\$5,100	1		
Exit, Battery	50%			2028	\$17,300	10	\$1,200	
<b>Exterior Lighting</b>								
HID	100%			2028	\$142,000	10	\$100	
<b>Alarm</b>								
<b>Security System</b>								
Generic	100%			2028	\$113,800	1	\$13,800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Inside And Outside</i>								
<i>Explanation : CCTV Surveillance Camera System</i>								
<b>Fire/Smoke Detection</b>								
Generic, Digital	100%			2028	\$389,500	1-3	\$22,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Smoke Detector, Alarm Bells And Manual Pull Stations</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	30%			2054	**	1		
Natural Gas	70%			2054	**	1		

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**DEPARTMENT OF TRANSPORTATION - 841**  
**WEBSTER AVENUE YARD STAGING GARAGE AND SIGN SHOP**  
**Asset # : 13606**

<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								
	Furnace	80%			2033	**	1	\$14,600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof- Included In AC System</i>								
<i>Explanation : 3 Units</i>								
	Furnace	10%	Now	\$4,100	2028	\$8,300	1	\$1,600
<i>Not in Service, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2 Of 4 Not Working (Burn Out) In The Garage Area</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : In The Garage Area</i>								
<i>Explanation : 4 Independent Units. 2 Units ( Hv-3 And Hv-4 ) Out Of 4, Burn Out On The Roof.</i>								
	Radiant Heater	10%			2033	**	2	\$1,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Offices On The First Floor</i>								
<i>Explanation : 12 Units</i>								
<b>Air Conditioning</b>								
Energy Source								
	Electricity	100%			2050	**	1	
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	30%	Now	\$13,200	2033	**	2	\$500
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Control System</i>								
<i>R-22 Refrigerant, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : AC Units On Roof</i>								
	No Component	70%						
Terminal Devices								
	Air Handler/Cool/Ht	10%	Now	\$600	2033	**	1	\$2,100
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Control System, Roof</i>								
	No Component	90%						
Heat Rejection								
	Air Cooled Condenser Unit	10%			2033	**	2	\$2,600
	No Component	90%						
<b>Ventilation</b>								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$20,500
Exhaust Fans								
	Interior	70%			2033	**	2	\$800
	Roof	30%			2033	**	2	\$300
<b>Plumbing</b>								
H/C Water Piping								
	Brass/Copper	100%			2054	**	1	
Water Heater								
	Gas Fired	100%			2023	\$21,500	2	\$500

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**DEPARTMENT OF TRANSPORTATION - 841**  
**WEBSTER AVENUE YARD STAGING GARAGE AND SIGN SHOP**

**Asset # : 13606**

<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%						
Fire Suppression								
	Sprinkler							
	Generic	100%			2048	**	1-2	\$10,300

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 11TH AVE VIADUCT (RAMP) W 33 ST/LAND ADJ.TO AMTRAK  
**Address** : WEST 33 STREET AMTRAK 30 ST.BRANCH  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0066.0C0 / 2934 **Yr Built/Renovated** : 1934 /  
**Area Sq Ft** : 4,620 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 22-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 224501C

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$57,300	\$182,900
<b>Total</b>	<b>\$57,300</b>	<b>\$182,900</b>
Importance Code A		\$91,500
Importance Code B	\$57,300	\$91,500
<b>Total</b>	<b>\$57,300</b>	<b>\$182,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$76,300	\$4,100	\$19,900	
<b>Total</b>	<b>\$76,300</b>	<b>\$4,100</b>	<b>\$19,900</b>	
Importance Code A	\$36,700		\$9,200	
Importance Code B	\$26,600		\$9,500	
Importance Code C	\$12,900	\$4,100	\$1,200	
<b>Total</b>	<b>\$76,300</b>	<b>\$4,100</b>	<b>\$19,900</b>	



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**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 33 ST/LAND ADJ.TO AMTRAK**

**Asset # : 2934**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%	4+	\$13,500	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 10%</i> <i>Location : Random Locations Throughout</i> <i>Efflorescence, Extent : Light, Area Affected : 2%</i> <i>Location : Random Locations Throughout</i> <i>Spalling, Extent : Light, Area Affected : 2%</i> <i>Location : Random Locations Throughout</i>								
Backwall Concrete	100%			LIFE				**
<i>Cracks, Extent : Light, Area Affected : 2%</i> <i>Location : Random Locations Throughout</i> <i>Rust Stains, Extent : Light, Area Affected : 10%</i> <i>Location : Random Locations Throughout</i>								
Brngs,Ancr Blts,Pads Steel	100%			LIFE				**
Footings Not Accessible	100%							
Joint with Deck Generic	70%			LIFE				**
Generic	30%	2-4	\$26,000	LIFE				**
<i>Leakage, Extent : Moderate, Area Affected : 20%</i> <i>Location : Random Locations Throughout</i> <i>Other Observation, Extent : Moderate, Area Affected : 20%</i> <i>Location : Random Locations Throughout</i> <i>Explanation : Joint Depressed And Filled With Debris And Dirt</i>								
Mat (scour & erosion) Earth	100%			LIFE				**
Pedestals Concrete	100%			LIFE				**
Stem (breastwall) Concrete	80%			LIFE				**
Concrete	20%	4+	\$57,300	LIFE				**
<i>Cracks, Extent : Moderate, Area Affected : 30%</i> <i>Location : Random Locations Throughout</i> <i>Efflorescence, Extent : Light, Area Affected : 20%</i> <i>Location : Random Locations Throughout</i> <i>Spalling, Extent : Moderate, Area Affected : 20%</i> <i>Location : Random Locations Throughout</i> <i>Other Observation, Extent : Light, Area Affected : 10%</i> <i>Location : Random Locations Throughout</i> <i>Explanation : Honeycombing</i>								
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 33 ST/LAND ADJ.TO AMTRAK**

**Asset # : 2934**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Wingwalls								
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Pier Protection								
Concrete	100%	4+	\$600	LIFE		**		
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Approaches								
Pavement								
Concrete	90%			2036		**	4	\$5,400
Concrete	10%	2-4	\$1,600	2036		**	4	\$3,600
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Curbs								
Concrete w/ Steel Face	50%			LIFE		**		
Concrete w/ Steel Face	50%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Under Construction</i>								
Embankment								
Generic	100%			LIFE		**		
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Under Construction	100%							
Sidewalks								
Concrete	95%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Concrete	5%	4+	\$6,000	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
Piers								
Pier,Columns								
Steel	100%			LIFE		**	2-8	\$8,500
Footings								
Not Accessible	100%							

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

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**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 33 ST/LAND ADJ.TO AMTRAK**

**Asset # : 2934**

Bridge Structure		Current 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>Piers</b>								
Mat (scour & erosion)								
Earth	100%			LIFE		**		
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Under Construction</i>								
<b>Railings/Parapets</b>								
Under Construction	100%							
<b>Sidewalks</b>								
Concrete	50%	4+	\$1,300	2032		**	5	\$1,200
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	50%			2032		**	5	\$2,400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Under Construction</i>								
<b>Wearing Surface</b>								
Concrete	80%			2036		**	5	\$8,200
Concrete	20%	4+	\$2,200	2036		**	5	\$4,100
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	70%			LIFE		**	5	\$5,100
Concrete	30%	4+	\$23,200	LIFE		**	5	\$5,100
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Honeycombing</i>								
<b>Primary Member</b>								
Steel	80%			LIFE		**	2-8	\$85,400
Steel	20%			LIFE		**	2-8	\$85,400
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random Locations 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 33 ST/LAND ADJ.TO AMTRAK**

**Asset # : 2934**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Secondary Member								
Steel	90%			LIFE	**	2-8	\$71,500	
Steel	10%			LIFE	**	2-8	\$71,500	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations 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.*

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 11TH AVE VIADUCT (RAMP) W 34 ST/AMTRAK 30 ST. BRANCH  
**Address** : WEST 34 STREET AMTRAK 30 ST.BRANCH  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0066.0D0 / 2935 **Yr Built/Renovated** : 1934 /  
**Area Sq Ft** : 11,800 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 22-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 224501D

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$833,100	\$394,900
<b>Total</b>	<b>\$833,100</b>	<b>\$394,900</b>
Importance Code A		\$233,600
Importance Code B	\$526,500	\$161,300
Importance Code C	\$306,700	
<b>Total</b>	<b>\$833,100</b>	<b>\$394,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$98,300	\$20,700	\$39,600	
<b>Total</b>	<b>\$98,300</b>	<b>\$20,700</b>	<b>\$39,600</b>	
Importance Code A	\$41,100		\$23,400	
Importance Code B	\$17,900		\$16,200	
Importance Code C	\$39,300	\$20,700		
<b>Total</b>	<b>\$98,300</b>	<b>\$20,700</b>	<b>\$39,600</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 34 ST/AMTRAK 30 ST. BRANCH**  
**Asset # : 2935**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Concrete	95%			LIFE				**
Concrete	5%	4+	\$3,800	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
Backwall								
Concrete	90%			LIFE				**
Concrete	10%	4+	\$2,100	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
<hr/>								
Footings								
Not Accessible	100%							
<hr/>								
Joint with Deck								
Generic	100%	4+	\$16,400	LIFE				**
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : End Approach On The Sidewalk</i>								
<i>Explanation : Sidewalk Slabs Are Not At The Same Elevations On Either Side Of The Joint.</i>								
<i>Joint Popped Out.</i>								
<hr/>								
Mat (scour & erosion)								
Earth	100%			LIFE				**
<hr/>								
Pedestals								
Concrete	100%			LIFE				**
<hr/>								
Stem (breastwall)								
Concrete	80%			LIFE				**
Concrete	20%	2-4	\$526,500	LIFE				**
<i>Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Honeycombing</i>								
<hr/>								
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
<hr/>								
Mat (scour & erosion)								
Earth	100%			LIFE				**
<hr/>								
Piles								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 34 ST/AMTRAK 30 ST. BRANCH**  
**Asset # : 2935**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Wingwalls								
Walls								
Concrete	80%	4+	\$306,700	LIFE		**		
	<i>Spalling, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
Concrete	20%			LIFE		**		
Masonry	95%			LIFE		**		
Masonry	5%	4+	\$6,000	LIFE		**		
	<i>Cracks, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random Locations Throughout</i>							
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Pier Protection								
Concrete	100%	4+	\$1,500	LIFE		**		
	<i>Spalling, Extent : Light, Area Affected : 4%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Other Observation, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Explanation : Cracks</i>							
Approaches								
Pavement								
Concrete	90%			2036		**	4	\$9,200
Concrete	10%	4+	\$1,600	2036		**	4	\$6,200
	<i>Cracks, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
Curbs								
Concrete w/ Steel Face	50%			LIFE		**		
Concrete w/ Steel Face	50%	4+	\$10,000	LIFE		**		
	<i>Rust Stains, Extent : Severe, Area Affected : 50%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Settlement, Extent : Severe, Area Affected : 50%</i>							
	<i>Location : Random Locations Throughout</i>							
Embankment								
Generic	100%			LIFE		**		
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2036		**	4	
Sidewalks								
Concrete	80%			LIFE		**		
Concrete	20%	4+	\$8,600	LIFE		**		
	<i>Cracks, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Settlement, Extent : Light, Area Affected : 8%</i>							
	<i>Location : West Approach</i>							
Piers								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 34 ST/AMTRAK 30 ST. BRANCH**  
**Asset # : 2935**

Bridge Structure		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>Piers</b>								
Pier,Columns								
Steel	90%			LIFE	**	2-8	\$64,100	
Steel	10%			LIFE	**	2-8	\$64,100	
	<i>Corrosion, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random Locations Throughout</i>							
<hr/>								
Footings								
Not Accessible	100%							
<hr/>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
<hr/>								
Piles								
Not Accessible	100%							
<hr/>								
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	95%			LIFE	**			
Concrete w/ Steel Face	5%	4+	\$5,200	LIFE	**			
	<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Northwest Side</i>							
	<i>Misaligned/Bulging, Extent : Light, Area Affected : 15%</i>							
	<i>Location : North Side</i>							
	<i>Rust Stains, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random Locations Throughout</i>							
<hr/>								
Railings/Parapets								
Concrete	100%			2036	**	4	\$2,800	
<hr/>								
Sidewalks								
Concrete	100%	4+	\$11,600	2032	**	5	\$4,700	
	<i>Cracks, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
<hr/>								
Wearing Surface								
Concrete	90%			2036	**	5	\$41,500	
Concrete	10%	4+	\$6,300	2036	**	5	\$20,700	
	<i>Cracks, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Spalling, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random Locations Throughout</i>							
<hr/>								
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Concrete	95%			LIFE	**	5	\$13,000	
Concrete	5%	2-4	\$21,200	LIFE	**	5	\$13,000	
	<i>Cracks, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Delaminations, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random Locations Throughout</i>							

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 34 ST/AMTRAK 30 ST. BRANCH**  
**Asset # : 2935**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Primary Member								
Steel	60%			LIFE	**	2-8	\$218,100	
Steel	40%			LIFE	**	2-8	\$218,100	
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$182,700	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations 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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 11TH AVE VIADUCT (RAMP) W 35 ST/AMTRAK 30 ST. BRANCH  
**Address** : WEST 35 STREET AMTRAK 30 ST.BRANCH  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0066.0E0 / 2936 **Yr Built/Renovated** : 1934 /  
**Area Sq Ft** : 6,500 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 22-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 224501E

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$448,100	\$552,300
<b>Total</b>	<b>\$448,100</b>	<b>\$552,300</b>
Importance Code A	\$395,500	\$120,900
Importance Code B	\$52,700	\$285,700
Importance Code C		\$145,600
<b>Total</b>	<b>\$448,100</b>	<b>\$552,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$71,200		\$8,700	
<b>Total</b>	<b>\$71,200</b>		<b>\$8,700</b>	
Importance Code A	\$22,900		\$5,600	
Importance Code B	\$18,100		\$3,200	
Importance Code C	\$30,200			
<b>Total</b>	<b>\$71,200</b>		<b>\$8,700</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 35 ST/AMTRAK 30 ST. BRANCH**  
**Asset # : 2936**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Underneath Bridge Under Construction</i>								
Backwall								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Underneath Bridge Under Construction</i>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Underneath Bridge Under Construction</i>								
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	80%			LIFE			**	
Generic	20%	4+	\$9,200	LIFE			**	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : At West Abutment</i>								
<i>Leakage, Extent : Severe, Area Affected : 40%</i>								
<i>Location : At West Abutment</i>								
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Underneath Bridge Under Construction</i>								
Walls								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Underneath Bridge 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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 35 ST/AMTRAK 30 ST. BRANCH**  
**Asset # : 2936**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Pier Protection								
Concrete	100%	4+	\$8,900	LIFE		**		
<i>Exposed Reinforcement, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 4%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Cracks</i>								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Approaches								
Pavement								
Asphalt	80%			2028	\$116,500	4	\$3,400	
Asphalt	20%	4+	\$5,800	2028	\$29,100	4	\$2,300	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Raveling</i>								
Concrete	95%			2036		**	\$9,200	
Concrete	5%	4+	\$1,600	2036		**	\$6,200	
<i>Cracks, Extent : Light, Area Affected : 35%</i>								
<i>Location : Random Locations At West Approach</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Near Joint At West Approach</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 35 ST/AMTRAK 30 ST. BRANCH**  
**Asset # : 2936**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Curbs								
Concrete w/ Steel Face	100%	4+	\$20,100	LIFE		**		
<i>Rust Stains, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Near Joints At Both Approaches</i>								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Embankment								
Generic	100%			LIFE		**		
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Under Construction	100%							
Sidewalks								
Under Construction	100%							
Piers								
Cap Beam								
Steel	90%			LIFE		**	2-8	\$64,100
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : West Pier</i>								
<i>Explanation : Paint System Failure</i>								
Steel	10%			LIFE		**	2-8	\$64,100
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Pier,Columns								
Steel	90%			LIFE		**	2-8	\$45,600
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : West Pier</i>								
<i>Explanation : Paint System Failure</i>								
Steel	10%			LIFE		**	2-8	\$45,600
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Piles								
Not Accessible	100%							
Deck Elements								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 35 ST/AMTRAK 30 ST. BRANCH**  
**Asset # : 2936**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	95%			LIFE		**		
Concrete w/ Steel Face	5%	4+	\$2,800	LIFE		**		
<i>Rust Stains, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Under Construction	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : 50 Percent Of Component is Under Construction</i>								
<b>Railings/Parapets</b>								
Under Construction	100%							
<b>Sidewalks</b>								
Under Construction	100%							
<b>Wearing Surface</b>								
Concrete	75%			2030		**	5	\$21,000
Concrete	25%	4+	\$8,000	2030		**	5	\$10,500
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Under Construction	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : 50 percent Of Component is under construction</i>								
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Concrete	50%			LIFE		**	5	\$7,200
Concrete	50%	2-4	\$340,800	LIFE		**	5	\$7,200
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Delaminations, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random With Exposed Reinforcement</i>								
Under Construction	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : 50 Percent Of Component is 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 35 ST/AMTRAK 30 ST. BRANCH**  
**Asset # : 2936**

Bridge Structure		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>Superstructure</b>								
<b>Primary Member</b>								
Concrete Encased Steel	60%			LIFE	**	5	\$32,800	
Concrete Encased Steel	40%	4+	\$54,700	LIFE	**	5	\$32,800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bottom Flange Of Fascia Girder</i>								
<i>Delaminations, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Under Construction	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : 50 Percent Of Component is Under Construction</i>								
<b>Secondary Member</b>								
Concrete	75%			LIFE	**	5	\$127,000	
Concrete	25%	4+	\$52,700	LIFE	**	5	\$127,000	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
Under Construction	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : 50 Percent Of Component is 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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 11TH AVE VIADUCT (RAMP) W 36 ST/AMTRAK 30 ST. BRANCH  
**Address** : WEST 36 STREET AMTRAK 30 ST.BRANCH  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0066.0F0 / 2937 **Yr Built/Renovated** : 1934 /  
**Area Sq Ft** : 16,400 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 22-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 224501F

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$177,800	\$440,800
<b>Total</b>	<b>\$177,800</b>	<b>\$440,800</b>
Importance Code A	\$47,700	\$248,400
Importance Code B	\$36,800	\$47,500
Importance Code C	\$93,300	\$144,900
<b>Total</b>	<b>\$177,800</b>	<b>\$440,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$62,800	\$27,200	\$19,800	
<b>Total</b>	<b>\$62,800</b>	<b>\$27,200</b>	<b>\$19,800</b>	
Importance Code A	\$4,000		\$8,300	
Importance Code B			\$4,800	
Importance Code C	\$58,800	\$27,200	\$6,700	
<b>Total</b>	<b>\$62,800</b>	<b>\$27,200</b>	<b>\$19,800</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 36 ST/AMTRAK 30 ST. BRANCH**  
**Asset # : 2937**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Backwall Not Accessible	100%							
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Joint with Deck								
Generic	80%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Generic	20%	0-2	\$36,800	LIFE		**		
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : At West Abutment</i>								
Mat (scour & erosion) Earth	100%			LIFE		**		
Stem (breastwall)								
Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Concrete	100%	4+	\$93,300	LIFE		**		
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Northeast Corner</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Pier Protection								
Concrete	100%			LIFE		**		

## Approaches

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future 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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**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 36 ST/AMTRAK 30 ST. BRANCH**  
**Asset # : 2937**

Bridge Structure		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>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%			2028	\$144,900	4	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Concrete	100%			2036	**	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$4,000	LIFE	**			
<i>Misaligned/Bulging, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Approach</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations At West Approach</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
<b>Embankment</b>								
Earth	80%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Earth	20%	4+		LIFE	**			
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Joint At West Approach</i>								
<b>Pavement Base</b>								
Not Accessible	100%							
<b>Railings/Parapets</b>								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Chain Link Fence</i>								
<b>Sidewalks</b>								
Concrete	80%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Concrete	20%	2-4	\$16,300	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Piers</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 36 ST/AMTRAK 30 ST. BRANCH**  
**Asset # : 2937**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers								
Cap Beam Steel	100%			LIFE	**	2-8	\$192,200	
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Pier,Columns Steel	100%			LIFE	**	2-8	\$136,800	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	**			
Pedestals Not Accessible	100%							
Piles Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Gratings Not Accessible	100%							
Railings/Parapets Concrete	100%			2036	**	4		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Steel	100%			LIFE	**	2-8		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Sidewalks								
Concrete	90%			2032	**	5	\$13,400	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Concrete	10%	4+	\$8,200	2032	**	5	\$6,700	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W 36 ST/AMTRAK 30 ST. BRANCH**

**Asset # : 2937**

Bridge Structure		Current 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>Deck Elements</b>								
Wearing Surface								
Concrete	80%			2036	**	5	\$54,300	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Accessibility To 50 Percent Of Component</i>								
Concrete	20%	4+	\$33,100	2036	**	5	\$27,200	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Superstructure</b>								
Deck, Structural								
Not Accessible	100%							
<b>Primary Member</b>								
Concrete Encased Steel	15%	4+	\$47,700	LIFE	**	5	\$82,600	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Rust Stains/Exposed Reinf.</i>								
Concrete Encased Steel	85%			LIFE	**	5	\$82,600	
<b>Secondary Member</b>								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Secondary Members Are Embedded In Concrete</i>								

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

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 11TH AVE VIADUCT (RAMP) W.33 ST/AMTRAK 30TH ST.BRANCH  
**Address** : WEST 33 STREET  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0066.0B0 / 2933 **Yr Built/Renovated** : 1934 /  
**Area Sq Ft** : 16,500 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 17-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 224501B

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$125,400	\$987,900
<b>Total</b>	<b>\$125,400</b>	<b>\$987,900</b>
Importance Code A	\$46,600	\$362,900
Importance Code B	\$78,900	\$368,200
Importance Code C		\$256,800
<b>Total</b>	<b>\$125,400</b>	<b>\$987,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$186,600	\$27,300	\$76,500	
<b>Total</b>	<b>\$186,600</b>	<b>\$27,300</b>	<b>\$76,500</b>	
Importance Code A	\$90,300		\$32,800	
Importance Code B	\$11,500		\$36,900	
Importance Code C	\$84,800	\$27,300	\$6,700	
<b>Total</b>	<b>\$186,600</b>	<b>\$27,300</b>	<b>\$76,500</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W.33 ST/AMTRAK 30TH ST.BRANCH**  
**Asset # : 2933**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	60%			LIFE				**
Concrete	40%	4+	\$30,700	LIFE				**
<i>Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
Backwall								
Concrete	100%	4+	\$33,300	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Face Of Back Wall</i>								
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Face Of Back Wall</i>								
<i>Rust Stains, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Front Face Of Back Wall</i>								
Brngs,Ancr Blts,Pads								
Steel	70%			LIFE				**
Steel	30%	0-2	\$24,500	LIFE				**
<i>Corrosion, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Rust Stains, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Random Locations Throughout</i>								
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	85%			LIFE				**
Generic	15%	2-4	\$8,900	LIFE				**
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Leakage, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Random Locations Throughout</i>								
Mat (scour & erosion)								
Earth	100%			LIFE				**
Pedestals								
Concrete	80%			LIFE				**
Concrete	20%	4+	\$30,700	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W.33 ST/AMTRAK 30TH ST.BRANCH**  
**Asset # : 2933**

Bridge Structure		Current 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>Abutments</b>								
Stem (breastwall)								
Concrete	80%			LIFE			**	
Concrete	20%	4+	\$78,900	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Delaminations, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Front Face Of Stem Wall</i>								
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Masonry: Schist/Gneiss	100%	4+	\$7,900	LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Broken/ Missing Elements</i>								
<b>Feature Crossed</b>								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Pier Protection								
Concrete	15%	4+	\$2,700	LIFE			**	
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Cracks</i>								
Concrete	85%			LIFE			**	
<b>Approaches</b>								
Pavement								
Asphalt	85%			2028	\$218,300	4	\$6,100	
Asphalt	15%	2-4	\$3,900	2028	\$38,500	4	\$4,000	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	100%	4+	\$8,000	2036			**	\$6,200
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE			**	
<b>Embankment</b>								
Generic	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W.33 ST/AMTRAK 30TH ST.BRANCH**  
**Asset # : 2933**

Bridge Structure		Current 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>Approaches</b>								
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2036	**	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : South Side</i>								
<i>Explanation : Concrete Wall Is On The South Side Of The Bridge</i>								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Side</i>								
<i>Explanation : Steel Fence Is On The North Side Of The Bridge</i>								
Sidewalks								
Concrete	80%			LIFE	**			
Concrete	20%	4+	\$2,700	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Southwest Sidewalk</i>								
<b>Piers</b>								
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$119,700	
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**	2-8	\$1,800	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Railings/Parapets								
Concrete	100%			2036	**	4	\$12,800	
Sidewalks								
Concrete	95%			2032	**	5	\$13,400	
Concrete	5%	4+	\$4,100	2032	**	5	\$6,700	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVE VIADUCT (RAMP) W.33 ST/AMTRAK 30TH ST.BRANCH**  
**Asset # : 2933**

Bridge Structure		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>Deck Elements</b>								
<b>Wearing Surface</b>								
Concrete	95%			2036	**	5	\$54,600	
Concrete	5%	4+	\$4,200	2036	**	5	\$27,300	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 40%</i>								
<i>Location : Asphalt Repair At Longitudinal Joints</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	95%			LIFE	**	5	\$18,200	
<i>Other Observation, Extent : Light, Area Affected : 33%</i>								
<i>Location : Center Of Structure</i>								
<i>Explanation : Covered By Timber Shielding</i>								
Concrete	5%	4+	\$46,600	LIFE	**	5	\$18,200	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Delaminations, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 2%</i>								
<i>Location : Adjacent To Joint In Middle Of The Bridge</i>								
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Wood Decking In Middle Bay For 5 Spans</i>								
<hr/>								
<b>Joints</b>								
Generic	80%			LIFE	**			
Generic	20%	4+	\$18,700	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Leakage, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<hr/>								
<b>Primary Member</b>								
Steel	85%			LIFE	**	2-8	\$305,000	
Steel	15%			LIFE	**	2-8	\$305,000	
<i>Corrosion, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Secondary Member</b>								
Steel	80%			LIFE	**	2-8	\$255,500	
Steel	20%			LIFE	**	2-8	\$255,500	
<i>Rust Stains, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 11TH AVENUE VIADUCT LIRR W. SIDE YARD  
**Address** : 30TH-36TH ST, 10TH-11TH AVE. LIRR WEST SIDE YARD  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0066.000 / 2491 **Yr Built/Renovated** : 1934 /  
**Area Sq Ft** : 157,500 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 02-Sep-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2245010

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$506,400	\$887,100
<b>Total</b>	<b>\$506,400</b>	<b>\$887,100</b>
Importance Code B	\$37,900	
Importance Code C	\$468,500	\$887,100
<b>Total</b>	<b>\$506,400</b>	<b>\$887,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$57,300	\$48,800		
<b>Total</b>	<b>\$57,300</b>	<b>\$48,800</b>		
Importance Code A	\$4,200	\$31,000		
Importance Code C	\$53,100	\$17,800		
<b>Total</b>	<b>\$57,300</b>	<b>\$48,800</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVENUE VIADUCT LIRR W. SIDE YARD**  
**Asset # : 2491**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	75%			LIFE			**	
Generic	25%	4+	\$37,900	LIFE			**	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Near Sidewalk</i>								
<i>Explanation : Under Construction</i>								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE			**	
<b>Approaches</b>								
Pavement								
Asphalt	100%			2029	\$159,400	4	\$3,300	
Concrete	80%			2037	**	4	\$50,100	
Concrete	20%	2-4	\$19,900	2037	**	4	\$33,400	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Scattered Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE			**	
<i>Rust Stains, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random Locations Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVENUE VIADUCT LIRR W. SIDE YARD**  
**Asset # : 2491**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Embankment								
Not Accessible	100%							
Guide Railing								
Concrete	100%			2037	**	4	\$8,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Barrier During Construction</i>								
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	80%			2037	**	4	\$5,500	
Concrete	20%	4+	\$4,200	2037	**	4	\$3,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 80%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Under Construction</i>								
Sidewalks								
Concrete	75%			LIFE	**			
Concrete	25%	4+	\$4,900	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Piers								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Not Accessible	100%							
Stem,Solid Pier								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Deck Elements								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVENUE VIADUCT LIRR W. SIDE YARD**  
**Asset # : 2491**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	70%			LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random Locations</i>								
Concrete w/ Steel Face	30%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Under Construction</i>								
<b>Guide Railing</b>								
Concrete	100%			2041	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Barrier Under Construction</i>								
<b>Railings/Parapets</b>								
Concrete	70%			2037	**	4	\$39,500	
Concrete	30%			2037	**	4	\$39,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Between 30th And 33rd Streets</i>								
<i>Explanation : Area Under Construction</i>								
Steel	100%			LIFE	**	2-8		
<b>Sidewalks</b>								
Concrete	70%			2033	**	5	\$84,000	
Concrete	30%			2033	**	5	\$84,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Between 30th And 33rd Streets</i>								
<i>Explanation : Under Construction</i>								
<b>Wearing Surface</b>								
Concrete	95%			2037	**	5	\$643,700	
Concrete	5%	2-4	\$28,300	2037	**	5	\$321,900	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Scupper</b>								
Cast Iron	70%			LIFE	**			
Cast Iron	30%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Between 30th And 33rd Streets</i>								
<i>Explanation : Under Construction</i>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**11TH AVENUE VIADUCT LIRR W. SIDE YARD**  
**Asset # : 2491**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Joints								
Generic	70%	4+	\$23,100	LIFE			* *	
			<i>Joints Missing, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Scattered Locations Throughout</i>					
			<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Scattered Locations Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Scattered Locations Throughout</i>					
			<i>Explanation : Joint Filler Material Missing</i>					
Generic	30%	0-2	\$39,600	LIFE			* *	
			<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : At 34th Street</i>					
			<i>Leakage, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : At 34th Street (South Section)</i>					
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 125TH ST. VIADUCT BRIDGE RIVERSIDE DR/W.125 ST AND OTHERS  
**Address** : RIVERSIDE DR,ST.CLAIRES,134 ST  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0068.000 / 2662 **Yr Built/Renovated** : 1897 /  
**Area Sq Ft** : 148,338 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 04-Dec-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2246660

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$4,637,500	\$4,240,400
<b>Total</b>	<b>\$4,637,500</b>	<b>\$4,240,400</b>
Importance Code A	\$1,630,300	\$1,662,700
Importance Code B	\$2,733,900	\$2,152,300
Importance Code C	\$273,300	\$425,400
<b>Total</b>	<b>\$4,637,500</b>	<b>\$4,240,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$1,499,900		\$381,900	\$800
<b>Total</b>	<b>\$1,499,900</b>		<b>\$381,900</b>	<b>\$800</b>
Importance Code A	\$574,400		\$150,600	\$800
Importance Code B	\$854,900		\$215,900	
Importance Code C	\$70,700		\$15,400	
<b>Total</b>	<b>\$1,499,900</b>		<b>\$381,900</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**125TH ST. VIADUCT BRIDGE RIVERSIDE DR/W.125 ST AND OTHERS**  
**Asset # : 2662**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Granite	100%	4+	\$19,700	LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Top Of End Abutment</i>								
<i>Explanation : Missing Mortar</i>								
Backwall								
Granite	75%			LIFE			**	
Granite	25%	4+	\$15,900	LIFE			**	
<i>Efflorescence, Extent : Light, Area Affected : 20%</i>								
<i>Location : End Abutment</i>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$13,500	LIFE			**	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Cracks In Header Concrete</i>								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Pedestals								
Concrete	100%			LIFE			**	
Stem (breastwall)								
Granite	90%			LIFE			**	
Granite	10%	4+	\$318,700	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Rust Staining</i>								
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**125TH ST. VIADUCT BRIDGE RIVERSIDE DR/W.125 ST AND OTHERS**

**Asset # : 2662**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Wingwalls								
Walls								
Granite	90%			LIFE		**		
Granite	10%	4+	\$35,900	LIFE		**		
<i>Cracks, Extent : Moderate, Area Affected : 5%</i> <i>Location : Random Locations Throughout</i> <i>Efflorescence, Extent : Moderate, Area Affected : 25%</i> <i>Location : Random Locations Throughout</i> <i>Vegetation Growth, Extent : Moderate, Area Affected : 50%</i> <i>Location : Random Locations Throughout</i> <i>Other Observation, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations Throughout</i> <i>Explanation : Missing Mortar</i>								
Approaches								
Pavement								
Asphalt	100%	4+	\$10,200	2030		**	4	\$8,100
<i>Cracks, Extent : Light, Area Affected : 5%</i> <i>Location : At End Abutment</i>								
Concrete	50%			2038		**	4	\$30,800
Concrete	50%	Now	\$19,900	2038		**	4	\$30,800
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i> <i>Location : Random Locations Throughout</i> <i>Settlement, Extent : Light, Area Affected : 2%</i> <i>Location : Random Locations Throughout</i> <i>Spalling, Extent : Moderate, Area Affected : 50%</i> <i>Location : Random Locations Throughout</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
<i>Rust Stains, Extent : Moderate, Area Affected : 10%</i> <i>Location : Random Locations Throughout</i>								
Embankment								
Earth	100%			LIFE		**		
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Railings/Parapets								
Concrete	100%	4+	\$7,000	2038		**	4	\$700
<i>Cracks, Extent : Light, Area Affected : 10%</i> <i>Location : Throughout</i> <i>Spalling, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations Throughout</i>								
Granite	90%			LIFE		**		
Granite	10%	4+	\$26,100	LIFE		**		
<i>Vegetation Growth, Extent : Light, Area Affected : 90%</i> <i>Location : Below Capstone Of Beginning And End Approaches</i> <i>Other Observation, Extent : Severe, Area Affected : 90%</i> <i>Location : End Approach And Begin Approach</i> <i>Explanation : Missing And Broken Element And Missing Mortar</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**125TH ST. VIADUCT BRIDGE RIVERSIDE DR/W.125 ST AND OTHERS**  
**Asset # : 2662**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Sidewalks								
Asphalt	100%	4+	\$24,600	2030	**	4	\$8,100	
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Northwest Corner</i>								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Steel	90%			LIFE	**	2-8	\$125,100	
Steel	10%	4+	\$10,300	LIFE	**	2-8	\$74,800	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Extradors Flanges Of The Bottom Member, And Throughout Latticing</i>								
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$3,228,000	
<i>Rust Stains, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Stem,Solid Pier								
Granite	90%			LIFE	**			
Granite	10%	4+	\$262,900	LIFE	**			
<i>Efflorescence, Extent : Light, Area Affected : 20%</i>								
<i>Location : Beginning Approach</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Beginning Approach</i>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paved Underneath</i>								
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Masonry	100%			2038	**	5	\$1,600	
Steel	100%			LIFE	**	2-8	\$125,200	
<i>Rust Stains, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**125TH ST. VIADUCT BRIDGE RIVERSIDE DR/W.125 ST AND OTHERS**  
**Asset # : 2662**

Bridge Structure		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>Deck Elements</b>								
<b>Sidewalks</b>								
Concrete	90%			2034	**	5	\$72,300	
Concrete	10%	4+	\$44,500	2034	**	5	\$36,200	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<hr/>								
<b>Wearing Surface</b>								
Asphalt	100%			2030	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Span No. 1</i>								
<i>Explanation : At Span No. 1 Only</i>								
Concrete	100%	4+	\$192,900	2038	**	5	\$316,900	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Around Deck Joints</i>								
<hr/>								
<b>Scupper</b>								
Cast Iron	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Total Of 16 Scuppers</i>								
<hr/>								
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Concrete	100%			LIFE	**	5	\$326,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Bottom Side Of Slab Covered By Stay-in-place Forms</i>								
<hr/>								
<b>Joints</b>								
Generic	100%			LIFE	**			
<hr/>								
<b>Primary Member</b>								
Steel	100%			LIFE	**	2-8	\$4,512,300	
<i>Corrosion, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Secondary Member</b>								
Steel	100%			LIFE	**	2-8	\$4,032,700	
<i>Corrosion, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 21ST STREET BRIDGE  
**Address** : 21ST STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0170.000 / 13578 **Yr Built/Renovated** :  
**Area Sq Ft** : 17,590 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 28-Nov-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2247270

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$53,500	\$53,500
<b>Total</b>	<b>\$53,500</b>	<b>\$53,500</b>
Importance Code B	\$53,500	\$53,500
<b>Total</b>	<b>\$53,500</b>	<b>\$53,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$185,400		\$10,000	
<b>Total</b>	<b>\$185,400</b>		<b>\$10,000</b>	
Importance Code A	\$14,400		\$4,600	
Importance Code B	\$55,900		\$5,400	
Importance Code C	\$115,100			
<b>Total</b>	<b>\$185,400</b>		<b>\$10,000</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**21ST STREET BRIDGE**  
**Asset # : 13578**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	50%			LIFE			**	
Generic	50%	4+	\$11,000	LIFE			**	
<i>Missing/Damaged Seal, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Masonry	50%	4+	\$17,000	LIFE			**	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Masonry	50%			LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Not Accessible</i>								
Feature Crossed								
Bank Protection								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Pier Protection								
Not Accessible	100%							
Approaches								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**21ST STREET BRIDGE**  
**Asset # : 13578**

Bridge Structure		Current 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>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%	4+	\$9,100	2030	**	4	\$2,900	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East And West End</i>								
Concrete	100%	4+	\$25,400	2038	**	4	\$19,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Along Joint Header</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$2,500	LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 20%</i>								
<i>Location : Both Approaches</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Embankment</b>								
Earth	100%			LIFE	**			
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Sidewalks</b>								
Concrete	100%	4+	\$8,200	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 4%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Piers</b>								
<b>Cap Beam</b>								
Not Accessible	100%							
<b>Pier,Columns</b>								
Steel	100%			LIFE	**	2-8	\$252,600	
<b>Stem,Solid Pier</b>								
Not Accessible	100%							
<b>Brngs,Ancr Blts,Pads</b>								
Not Accessible	100%							
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Pedestals</b>								
Not Accessible	100%							
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**21ST STREET BRIDGE**  
**Asset # : 13578**

Bridge Structure		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>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$4,700	LIFE		**		
<i>Rust Stains, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Railings/Parapets</b>								
Concrete	100%			2038		**	4	\$8,400
Steel	100%			LIFE		**	2-8	\$18,700
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$13,600	2034		**	5	\$5,500
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Near Joints</i>								
<hr/>								
<b>Wearing Surface</b>								
Concrete	100%	4+	\$21,000	2038		**	5	\$34,600
<i>Cracks, Extent : Light, Area Affected : 4%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Not Accessible	100%							
<hr/>								
<b>Joints</b>								
Steel	100%	4+	\$20,700	LIFE		**		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Primary Member</b>								
Not Accessible	100%							
<hr/>								
<b>Secondary Member</b>								
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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 252ND ST BRIDGE  
**Address** : 252ND STREET HHP  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0211.000 / 14579 **Yr Built/Renovated** :  
**Area Sq Ft** : 4,500 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 28-Aug-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2229500

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$111,700	\$68,500
<b>Total</b>	<b>\$111,700</b>	<b>\$68,500</b>
Importance Code B	\$111,700	
Importance Code C		\$68,500
<b>Total</b>	<b>\$111,700</b>	<b>\$68,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$14,200			
<b>Total</b>	<b>\$14,200</b>			
Importance Code A				
Importance Code C	\$14,200			
<b>Total</b>	<b>\$14,200</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**252ND ST BRIDGE**  
**Asset # : 14579**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE			**	
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Stem (breastwall)								
Concrete	35%	4+	\$36,500	LIFE			**	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	65%			LIFE			**	
Masonry: Granite	100%			LIFE			**	
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Masonry: Granite	100%	4+	\$2,000	LIFE			**	
			<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Northwest Corner And Efflorescence Random Locations Throughout</i>					
Feature Crossed								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Pier Protection								
Concrete	100%			LIFE			**	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Concrete Barrier</i>					
Approaches								
Pavement								
Asphalt	100%	4+	\$1,400	2028	\$68,500	4	\$2,600	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	100%			2036	**	4	\$6,500	

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**252ND ST BRIDGE**  
**Asset # : 14579**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**	2-8		
Timber	100%			2028	\$28,900	4		
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Railings/Parapets								
Cast Iron	100%			LIFE	**			
Granite	100%			LIFE	**			
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Stem,Solid Pier								
Concrete	100%	4+	\$75,300	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Granite	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 75%</i>								
<i>Location : Random Locations Throughout</i>								
Guide Railing								
Steel	100%			LIFE	**			
Timber	100%			2047	**			
Railings/Parapets								
Cast Iron	100%			LIFE	**			
Granite	100%			LIFE	**			
Sidewalks								
Concrete	100%	4+	\$3,900	2032	**	5	\$1,700	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**252ND ST BRIDGE**  
**Asset # : 14579**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Wearing Surface Concrete	100%	4+	\$4,700	2036	**	5	\$8,000	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Superstructure								
Deck, Structural Concrete	100%			LIFE	**	5		
Joints Generic	100%			LIFE	**			
Primary Member Prestressed Concrete Box Beam	100%			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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 31ST STREET BRIDGE  
**Address** : 31ST STREET OVER BROOKLYN/QUEENS EXPRESSWAY  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0175.000 / 13670 **Yr Built/Renovated** :  
**Area Sq Ft** : 9,500 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 02-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2230657

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$499,400	\$407,100
<b>Total</b>	<b>\$499,400</b>	<b>\$407,100</b>
Importance Code A	\$208,400	\$94,000
Importance Code B	\$129,900	\$94,000
Importance Code C	\$161,200	\$219,000
<b>Total</b>	<b>\$499,400</b>	<b>\$407,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$81,700		\$19,000	\$6,200
<b>Total</b>	<b>\$81,700</b>		<b>\$19,000</b>	<b>\$6,200</b>
Importance Code A	\$20,100		\$9,600	
Importance Code B	\$51,200		\$9,400	
Importance Code C	\$10,400			\$6,200
<b>Total</b>	<b>\$81,700</b>		<b>\$19,000</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**31ST STREET BRIDGE**  
**Asset # : 13670**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Steel	100%	Now	\$27,800	LIFE			**	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Center Lanes, Both Abutments</i>								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Concrete	100%	4+	\$23,400	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Rust Stains, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Concrete	90%			LIFE			**	
Concrete	10%	4+	\$161,200	LIFE			**	
<i>Efflorescence, Extent : Light, Area Affected : 8%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Approaches</b>								
Pavement								
Asphalt	100%	4+	\$2,400	2028	\$119,000	4	\$2,700	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**31ST STREET BRIDGE**  
**Asset # : 13670**

Bridge Structure		Current 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>Approaches</b>								
<b>Curbs</b>								
Concrete	100%	4+	\$16,100	LIFE			**	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 8%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete w/ Steel Face	90%			LIFE			**	
Concrete w/ Steel Face	10%	4+	\$2,800	LIFE			**	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Rust Stains, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 8%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 8%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Embankment</b>								
Not Accessible	100%							
<b>Pavement Base</b>								
Not Accessible	100%							
<b>Sidewalks</b>								
Concrete	100%	4+	\$2,100	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 4%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Piers</b>								
<b>Stem,Solid Pier</b>								
Concrete	60%	4+	\$129,900	LIFE			**	
<i>Cracks, Extent : Moderate, Area Affected : 4%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	40%			LIFE			**	
<b>Brngs,Ancr Blts,Pads</b>								
Not Accessible	100%							
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE			**	
<b>Pedestals</b>								
Not Accessible	100%							
<b>Piles</b>								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**31ST STREET BRIDGE**  
**Asset # : 13670**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$1,100	LIFE		**		
<i>Rust Stains, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Railings/Parapets</b>								
Steel	100%			LIFE		**	2-8	\$3,900
<hr/>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$5,900	2032		**	5	\$3,400
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Wearing Surface</b>								
Asphalt	100%			2028	\$100,000		5	\$12,400
<i>Cracks, Extent : Light, Area Affected : 8%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Concrete	25%	4+	\$208,400	LIFE		**	5	\$10,500
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
Concrete	75%			LIFE		**	5	\$10,500
<hr/>								
<b>Primary Member</b>								
Steel	100%			LIFE		**	2-8	\$175,600
<hr/>								
<b>Secondary Member</b>								
Steel	100%			LIFE		**	2-8	\$147,100

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 32ND STREET BRIDGE 32ND ST./278I (B.Q.E.)  
**Address** : 32ND STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0176.000 / 13710 **Yr Built/Renovated** : 1930 / 1982  
**Area Sq Ft** : 8,100 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 18-Oct-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2230640

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$137,100	\$156,900
<b>Total</b>	<b>\$137,100</b>	<b>\$156,900</b>
Importance Code B	\$57,100	
Importance Code C	\$80,000	\$156,900
<b>Total</b>	<b>\$137,100</b>	<b>\$156,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$44,800		\$300	\$17,900
<b>Total</b>	<b>\$44,800</b>		<b>\$300</b>	<b>\$17,900</b>
Importance Code A			\$300	
Importance Code B	\$21,500			
Importance Code C	\$23,300			\$17,900
<b>Total</b>	<b>\$44,800</b>		<b>\$300</b>	<b>\$17,900</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**32ND STREET BRIDGE 32ND ST./278I (B.Q.E.)**

**Asset # : 13710**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%			LIFE		**		
Backwall Not Accessible	100%							
Brngs,Ancr Blts,Pads Steel	100%			LIFE		**		
Footings Not Accessible	100%							
Joint with Deck Generic	100%	4+	\$13,900	LIFE		**		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : At Both Abutments</i>								
Mat (scour & erosion) Generic	100%			LIFE		**		
Pedestals Concrete	100%			LIFE		**		
Stem (breastwall) Concrete	100%	4+	\$57,100	LIFE		**		
<i>Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion) Generic	100%			LIFE		**		
Piles Not Accessible	100%							
Walls Concrete	100%	4+	\$80,000	LIFE		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Approaches								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**32ND STREET BRIDGE 32ND ST./278I (B.Q.E.)**

**Asset # : 13710**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Pavement								
Asphalt	100%	4+	\$7,800	2029	\$156,900	4	\$3,500	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Both Approaches</i>								
<i>Settlement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Both Approaches</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Approaches</i>								
<i>Explanation : Asphalt 50 Percent; Concrete 50 Percent</i>								
Concrete	100%	4+	\$4,900	2037	**	4	\$13,400	
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Both Approaches</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random Locations Throughout</i>								
Embankment								
Generic	100%			LIFE	**			
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Steel	100%			LIFE	**			
Sidewalks								
Concrete	100%	4+	\$3,300	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Piers								
Stem,Solid Pier								
Concrete	5%	4+	\$7,600	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	95%			LIFE	**			
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**	2-8	\$3,700	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**32ND STREET BRIDGE 32ND ST./278I (B.Q.E.)**  
**Asset # : 13710**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Mono Deck Surface Concrete	100%			2048	**	5	\$35,900	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets Steel	100%			LIFE	**	2-8	\$3,600	
Sidewalks Concrete	100%	4+	\$7,300	2033	**	5	\$1,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Superstructure								
Deck, Structural Not Accessible	100%							
Primary Member Not Accessible	100%							
Secondary Member 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 3RD AVE. BRIDGE  
**Address** : 3RD AVE. OVER LIRR BAY RIDGE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0165.000 / 13573 **Yr Built/Renovated** : 1914 /  
**Area Sq Ft** : 17,230 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 11-Dec-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2243320

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$263,900	\$170,500
<b>Total</b>	<b>\$263,900</b>	<b>\$170,500</b>
Importance Code A	\$170,500	\$170,500
Importance Code B	\$55,700	
Importance Code C	\$37,600	
<b>Total</b>	<b>\$263,900</b>	<b>\$170,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$184,200		\$36,900	
<b>Total</b>	<b>\$184,200</b>		<b>\$36,900</b>	
Importance Code A	\$93,800		\$21,100	
Importance Code C	\$90,400		\$15,800	
<b>Total</b>	<b>\$184,200</b>		<b>\$36,900</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**3RD AVE. BRIDGE**  
**Asset # : 13573**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	50%			LIFE			**	
Generic	50%	2-4	\$55,700	LIFE			**	
<i>Loose Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Both Abutments</i>								
<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Both Abutments</i>								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Feature Crossed</b>								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
<b>Approaches</b>								
Pavement								
Asphalt	100%	4+	\$27,300	2030		**	4	\$7,400
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Concrete	80%			2038		**	4	\$31,600
Concrete	20%	0-2	\$37,600	2038		**	4	\$31,600
<i>Broken,Missing Pave, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Begin Approach</i>								
<i>Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Both Approaches</i>								
<i>Spalling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Begin Approach</i>								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**3RD AVE. BRIDGE**  
**Asset # : 13573**

Bridge Structure		Current 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>Approaches</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	95%			LIFE			**	
Concrete w/ Steel Face	5%	Now	\$6,700	LIFE			**	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Northeast Corner</i>								
<i>Rust Stains, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Embankment</b>								
Earth	100%			LIFE			**	
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE			**	
<hr/>								
<b>Railings/Parapets</b>								
Concrete	100%			2038			**	4
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling</i>								
<hr/>								
Steel	100%			LIFE			**	
<i>Rust Stains, Extent : Light, Area Affected : 2%</i>								
<i>Location : Bottom Rails</i>								
<hr/>								
<b>Sidewalks</b>								
Concrete	90%			LIFE			**	
Concrete	10%	2-4	\$10,800	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Begin Approach</i>								
<hr/>								
<b>Piers</b>								
<b>Cap Beam</b>								
Not Accessible	100%							
<hr/>								
<b>Pier,Columns</b>								
Not Accessible	100%							
<hr/>								
<b>Stem,Solid Pier</b>								
Not Accessible	100%							
<hr/>								
<b>Brngs,Ancr Blts,Pads</b>								
Not Accessible	100%							
<hr/>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE			**	
<hr/>								
<b>Pedestals</b>								
Concrete	100%			LIFE			**	
<hr/>								
<b>Piles</b>								
Not Accessible	100%							
<hr/>								
<b>Deck Elements</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**3RD AVE. BRIDGE**  
**Asset # : 13573**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$23,800	LIFE		**		
<i>Rust Stains, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Railings/Parapets</b>								
Concrete	100%			2038		**	4	\$7,300
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Steel	100%			LIFE		**	2-8	\$16,400
<i>Rust Stains, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bottom Bar</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : On Top Of Concrete Parapets</i>								
<i>Explanation : Steel Fence</i>								
<hr/>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$16,600	2034		**	5	\$5,800
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Near Mid-span</i>								
<hr/>								
<b>Wearing Surface</b>								
Concrete	100%	4+	\$22,800	2038		**	5	\$32,400
<i>Cracks, Extent : Light, Area Affected : 4%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Not Accessible	100%							
<hr/>								
<b>Joints</b>								
Generic	100%	4+	\$13,000	LIFE		**		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Middle Of Span</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Concrete Header</i>								
<hr/>								
<b>Primary Member</b>								
Steel	100%			LIFE		**	2-8	\$546,000
<hr/>								
<b>Secondary Member</b>								
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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 49TH AVE. BRIDGE  
**Address** : 49TH AVE.  
**Borough** : QUEENS  
**Program / Asset #** : DOT0167.000 / 13575  
**Area Sq Ft** : 20,200  
**Date of Survey** : 28-Nov-2017  
**Areas Surveyed** :  
**Block** :                      **Lot** :                      **BIN** : 2247290  
**Agency's Number** : N/A  
**Yr Built/Renovated** :  
**Project Type** : HIGHWAY BRIDGES  
**Landmark Status** : NONE

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$1,668,000	\$829,900
<b>Total</b>	<b>\$1,668,000</b>	<b>\$829,900</b>
Importance Code A	\$399,900	\$399,900
Importance Code B	\$891,100	\$348,700
Importance Code C	\$377,100	\$81,400
<b>Total</b>	<b>\$1,668,000</b>	<b>\$829,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$351,000		\$80,700	
<b>Total</b>	<b>\$351,000</b>		<b>\$80,700</b>	
Importance Code A	\$176,200		\$45,700	
Importance Code B	\$161,200		\$35,000	
Importance Code C	\$13,600			
<b>Total</b>	<b>\$351,000</b>		<b>\$80,700</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**49TH AVE. BRIDGE**  
**Asset # : 13575**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Concrete	100%			LIFE		**		
Backwall								
Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$151,600	LIFE		**		
			<i>Cracks, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Header Concrete</i>					
			<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Random Locations Throughout</i>					
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Stem (breastwall)								
Concrete	90%			LIFE		**		
Concrete	10%	4+	\$204,100	LIFE		**		
			<i>Cracks, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Both Abutments</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Concrete	85%			LIFE		**		
Concrete	15%	4+	\$158,800	LIFE		**		
			<i>Cracks, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Northwest Wingwall</i>					
<b>Feature Crossed</b>								
Bank Protection								
Generic	100%			LIFE		**		
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Pier Protection								
Concrete	100%			LIFE		**		
<b>Approaches</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**49TH AVE. BRIDGE**  
**Asset # : 13575**

Bridge Structure		Current 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>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%	4+	\$56,000	2030	**	4	\$15,300	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$5,000	LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Embankment</b>								
Earth	100%			LIFE	**			
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Railings/Parapets</b>								
Cast Stone	100%			LIFE	**			
Steel	100%			LIFE	**			
<b>Sidewalks</b>								
Concrete	100%	4+	\$50,000	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Piers</b>								
<b>Cap Beam</b>								
Not Accessible	100%							
<b>Pier, Columns</b>								
Steel	20%			LIFE	**	2-8	\$350,900	
<i>Corrosion, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Steel	80%			LIFE	**	2-8	\$350,900	
<b>Stem, Solid Pier</b>								
Concrete	80%			LIFE	**			
Concrete	20%	4+	\$186,700	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Pier 1</i>								
<i>Explanation : Covered With Wood Planks</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**49TH AVE. BRIDGE**  
**Asset # : 13575**

Bridge Structure		Current 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>Piers</b>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	90%			LIFE	**			
Concrete w/ Steel Face	10%	4+	\$6,700	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : At East Joint</i>								
<i>Rust Stains, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : At East Joint</i>								
<b>Railings/Parapets</b>								
Concrete	100%			2038	**	4	\$10,300	
Steel	100%			LIFE	**	2-8	\$23,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entire Length</i>								
<i>Explanation : Chain Link Fence</i>								
<b>Sidewalks</b>								
Concrete	80%			2034	**	5	\$13,600	
Concrete	20%	4+	\$9,600	2034	**	5	\$6,800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Wearing Surface</b>								
Concrete	90%			2038	**	5	\$81,400	
Concrete	10%	0-2	\$71,500	2038	**	5	\$40,700	
<i>Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Joint Header Concrete</i>								
<i>Spalling, Extent : Light, Area Affected : 70%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Over East Pier</i>								
<i>Explanation : Large Steel Plates At Deck Joint</i>								
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Concrete	100%			LIFE	**	5	\$44,500	
<b>Joints</b>								
Generic	100%	4+	\$4,000	LIFE	**			
<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**49TH AVE. BRIDGE**  
**Asset # : 13575**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Primary Member								
Steel	80%			LIFE	**	2-8	\$640,100	
Steel	20%			LIFE	**	2-8	\$640,100	
<i>Corrosion, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$549,200	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 4TH AVE. BRIDGE  
**Address** : FOURTH AVE. OVER LIRR BAY RIDGE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0168.000 / 13576 **Yr Built/Renovated** : 1919 /  
**Area Sq Ft** : 19,400 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 11-Dec-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2243330

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$852,000	\$289,800
<b>Total</b>	<b>\$852,000</b>	<b>\$289,800</b>
Importance Code A	\$852,000	\$289,800
<b>Total</b>	<b>\$852,000</b>	<b>\$289,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$202,000		\$20,600	
<b>Total</b>	<b>\$202,000</b>		<b>\$20,600</b>	
Importance Code A	\$131,800		\$19,600	
Importance Code C	\$70,200		\$900	
<b>Total</b>	<b>\$202,000</b>		<b>\$20,600</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**4TH AVE. BRIDGE**  
**Asset # : 13576**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**			
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE	**			
<b>Feature Crossed</b>								
Mat (scour & erosion)								
Generic	100%			LIFE	**			
<b>Approaches</b>								
Pavement								
Asphalt	95%			2030	**	4	\$1,900	
Asphalt	5%	4+	\$3,500	2030	**	4	\$1,900	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Both Approaches</i>								
Curbs								
Concrete w/ Steel Face	100%	4+	\$7,200	LIFE	**			
<i>Settlement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Northeast Corner</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Embankment								
Earth	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**4TH AVE. BRIDGE**  
**Asset # : 13576**

Bridge Structure		Current 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>Approaches</b>								
Railings/Parapets Concrete	100%	4+	\$3,100	2038	**	4	\$1,500	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
Steel	100%			LIFE	**			
<b>Sidewalks</b>								
Concrete	100%	4+	\$14,800	LIFE	**			
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Settlement, Extent : Light, Area Affected : 10%</i>					
			<i>Location : East Approach</i>					
			<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
<b>Piers</b>								
Cap Beam Concrete	100%			LIFE	**			
Pier,Columns Concrete	100%			LIFE	**			
Stem,Solid Pier Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads Steel	100%			LIFE	**	2-8	\$5,000	
<b>Footings</b>								
Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	**			
<b>Pedestals</b>								
Concrete	100%			LIFE	**			
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
Curbs Concrete w/ Steel Face	100%	4+	\$3,000	LIFE	**			
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Rust Stains, Extent : Moderate, Area Affected : 60%</i>					
			<i>Location : Random Locations Throughout</i>					

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**4TH AVE. BRIDGE**  
**Asset # : 13576**

Bridge Structure		Current 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>Deck Elements</b>								
Railings/Parapets Concrete	100%	4+	\$26,500	2038	**	4	\$5,300	
<i>Efflorescence, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout The West Side</i>								
Steel	100%			LIFE	**	2-8	\$11,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Steel Fence At Top Of Concrete Parapet</i>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$34,700	2034	**	5	\$5,700	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Along Sidewalk Joint Headers</i>								
<b>Wearing Surface</b>								
Asphalt	100%	4+	\$15,800	2030	**	5	\$6,900	
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	100%			LIFE	**	5	\$42,700	
<b>Joints</b>								
Generic	5%	4+	\$1,400	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Southside Near East Approach</i>								
<i>Explanation : Missing Steel Cover Plate</i>								
Generic	95%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Expansion Joint Observed On Sidewalks And No Transverse Joints</i>								
<b>Primary Member</b>								
Concrete Encased Steel	100%	4+	\$660,000	LIFE	**	5	\$97,800	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Rust Staining Evident</i>								
Steel	100%			LIFE	**	2-8	\$614,700	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bottom Flange Of Exterior Girder</i>								
<i>Explanation : Paint Peeling</i>								
<b>Secondary Member</b>								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 86TH ST. BRIDGE  
**Address** : 86TH ST.  
**Borough** : BROOKLYN  
**Program / Asset #** : DOT0171.000 / 13579  
**Area Sq Ft** : 18,200  
**Date of Survey** : 18-Dec-2017  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2243570  
**Agency's Number** : N/A  
**Yr Built/Renovated** : 1995 /  
**Project Type** : HIGHWAY BRIDGES  
**Landmark Status** : NONE

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$360,300	\$2,314,000
<b>Total</b>	<b>\$360,300</b>	<b>\$2,314,000</b>
Importance Code A	\$180,100	\$180,100
Importance Code B	\$180,100	\$180,100
Importance Code C		\$1,953,700
<b>Total</b>	<b>\$360,300</b>	<b>\$2,314,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$246,000		\$38,100	
<b>Total</b>	<b>\$246,000</b>		<b>\$38,100</b>	
Importance Code A	\$80,100		\$20,000	
Importance Code B	\$61,300		\$18,100	
Importance Code C	\$104,600			
<b>Total</b>	<b>\$246,000</b>		<b>\$38,100</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**86TH ST. BRIDGE**  
**Asset # : 13579**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE			**	
Backwall								
Concrete	25%	4+	\$25,400	LIFE			**	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	75%			LIFE			**	
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2049			**	
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	45%	4+	\$28,500	LIFE			**	
			<i>Leakage, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Missing/Damaged Seal, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : At Concrete Headers</i>					
Generic	55%			LIFE			**	
Pedestals								
Concrete	100%			LIFE			**	
Stem (breastwall)								
Not Accessible	100%							
			<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location : Both Abutments</i>					
			<i>Explanation : Behind Station Platform Wall</i>					
Walls								
Concrete	100%			LIFE			**	
Wingwalls								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	45%	4+	\$21,500	LIFE			**	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Northwest And Southwest Wingwalls</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Northwest And Southwest Wingwalls</i>					
			<i>Other Observation, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Northeast And Southeast Wingwalls</i>					
			<i>Explanation : Wingwalls Covered By Station Platform Walls</i>					
Concrete	55%			LIFE			**	

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**86TH ST. BRIDGE**  
**Asset # : 13579**

Bridge Structure		Current 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>Approaches</b>								
<b>Pavement</b>								
Concrete	16%	4+	\$10,500	2038	**	4	\$44,200	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : East Approach</i>								
Concrete	84%			2025	\$1,104,800	4	\$66,200	
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE	**			
<b>Embankment</b>								
Earth	100%			LIFE	**			
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Sidewalks</b>								
Concrete	100%			LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE	**			
<b>Mono Deck Surface</b>								
Concrete	100%	4+	\$5,500	2049	**	5	\$21,300	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Near Northeast Abutment</i>								
<b>Railings/Parapets</b>								
Concrete	100%			2038	**	4	\$4,000	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Both Abutments</i>								
<i>Explanation : Concrete Parapet At South Side Of The Bridge And Subway Station At North Side Of The Bridge</i>								
<b>Sidewalks</b>								
Concrete	11%	4+	\$5,200	2034	**	5	\$6,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Along The North Side Of The Bridge</i>								
Concrete	89%			2024	\$848,900	5	\$13,400	
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	100%			LIFE	**	5	\$40,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Deck</i>								
<i>Explanation : Underside Covered With Stay-In-Place Forms Except One Bay</i>								
<b>Joints</b>								
Generic	100%	0-2	\$7,700	LIFE	**			
<i>Leakage, Extent : Light, Area Affected : 10%</i>								
<i>Location : Along The Joint Between Station And Bridge Deck</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**86TH ST. BRIDGE**  
**Asset # : 13579**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Primary Member								
Steel	100%			LIFE	* *	2-8	\$576,700	
		<i>Rust Stains, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Random Locations Throughout</i>						
<hr/>								
Secondary Member								
Steel	100%			LIFE	* *	2-8	\$494,800	
		<i>Rust Stains, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Random Locations Throughout</i>						

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : AMTRAK BRIDGE LEGGETT AVE/AMTRAK  
**Address** : LEGGETT AVE,BRUCKNER GARRISON  
**Borough** : BRONX Agency's Number : N/A  
**Program / Asset #** : DOT0055.000 / 2480 Yr Built/Renovated : 1906 /  
**Area Sq Ft** : 28,209 Project Type : HIGHWAY BRIDGES  
**Date of Survey** : 17-Aug-2015 Landmark Status : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2241139

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$2,727,300	\$922,900
<b>Total</b>	<b>\$2,727,300</b>	<b>\$922,900</b>
Importance Code A	\$671,500	\$560,200
Importance Code B	\$1,997,700	\$280,100
Importance Code C	\$58,100	\$82,600
<b>Total</b>	<b>\$2,727,300</b>	<b>\$922,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$74,800		\$99,600	
<b>Total</b>	<b>\$74,800</b>		<b>\$99,600</b>	
Importance Code A	\$14,800		\$56,900	
Importance Code B			\$28,100	
Importance Code C	\$60,100		\$14,700	
<b>Total</b>	<b>\$74,800</b>		<b>\$99,600</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**AMTRAK BRIDGE LEGGETT AVE/AMTRAK**  
**Asset # : 2480**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Steel	100%	4+	\$144,000	LIFE		**		
			<i>Misaligned/Bulging, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Joint Filler At East Abutment</i>					
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Approaches								
Pavement								
Concrete	50%			2036		**	4	\$64,800
Concrete	50%	4+	\$32,200	2036		**	4	\$43,200
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : At East Abutment Joint</i>					
Curbs								
Concrete	100%			LIFE		**		
Concrete w/ Steel Face	100%			LIFE		**		
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%	4+	\$3,500	LIFE		**		
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**AMTRAK BRIDGE LEGGETT AVE/AMTRAK**  
**Asset # : 2480**

Bridge Structure		Current 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>Piers</b>								
Stem,Solid Pier								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
Guide Railing								
Concrete	5%	2-4	\$14,800	2040		**		
			<i>Spalling, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Corner Spall With Exposed Rebar At Northwest Corner Of Barrier</i>					
Concrete	95%			2040		**		
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : South Outer Barrier</i>					
			<i>Explanation : Misaligned Tops</i>					
Median								
Concrete	100%			LIFE		**	5	\$7,700
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Where End Diagonals Meet Median</i>					
Railings/Parapets								
Steel	100%			LIFE		**	2-8	\$18,700
			<i>Corrosion, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Sidewalks								
Concrete	100%			2032		**	5	\$29,400
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations On North Side</i>					
Wearing Surface								
Concrete	100%	4+	\$58,100	2036		**	5	\$82,600
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Scaling Of Wearing Surface</i>					
<b>Superstructure</b>								
Deck,Structural								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**AMTRAK BRIDGE LEGGETT AVE/AMTRAK**  
**Asset # : 2480**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Joints								
Generic	100%	4+	\$2,800	LIFE		**		
<i>Misaligned/Bulging, Extent : Light, Area Affected : 20%</i>								
<i>Location : Joint Filler In Road And Sidewalk Over Pier</i>								
Primary Member								
Steel	5%	4+	\$671,500	LIFE		**	2-8	\$523,200
<i>Corrosion, Extent : Light, Area Affected : 20%</i>								
<i>Location : Base Of End Diagonal Of Southwest Truss</i>								
Steel	95%			LIFE		**	2-8	\$523,200
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Did Not Access Underside Of Truss/deck</i>								
Secondary Member								
Steel	100%	4+	\$1,853,700	LIFE		**	2-8	\$438,300
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Impact Damage To Top Lateral Cross Frames</i>								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Did Not Access Underside Of Truss/deck</i>								

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

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : AVENUE H. BRIDGE AVENUE H./LIRR BAY RIDGE  
**Address** : OVER LIRR - BAY RIDGE LINE ALBANY AVE. AND E39TH STREET  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0156.000 / 13519 **Yr Built/Renovated** :  
**Area Sq Ft** : 35,100 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 11-Oct-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2243530

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$330,500	\$4,665,800
<b>Total</b>	<b>\$330,500</b>	<b>\$4,665,800</b>
Importance Code C	\$330,500	\$4,665,800
<b>Total</b>	<b>\$330,500</b>	<b>\$4,665,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$52,500	\$6,200	\$700	
<b>Total</b>	<b>\$52,500</b>	<b>\$6,200</b>	<b>\$700</b>	
Importance Code A	\$25,400	\$200	\$700	
Importance Code B	\$12,200			
Importance Code C	\$14,900	\$6,000		
<b>Total</b>	<b>\$52,500</b>	<b>\$6,200</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**AVENUE H. BRIDGE AVENUE H./LIRR BAY RIDGE**

**Asset # : 13519**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	5%	4+	\$12,200	LIFE			* *	
			<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Both Abutments</i>					
Generic	95%			LIFE			* *	
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Piles								
Not Accessible	100%							
Walls								
Concrete	53%	4+	\$36,400	LIFE			* *	
			<i>Other Observation, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Peeling Paint</i>					
Concrete	47%			LIFE			* *	
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Pier Protection								
Not Accessible	100%							
Approaches								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**AVENUE H. BRIDGE AVENUE H./LIRR BAY RIDGE**

**Asset # : 13519**

Bridge Structure		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>Approaches</b>								
<b>Pavement</b>								
Asphalt	15%	2-4	\$69,300	2029	\$692,900	4	\$12,100	
<i>Cracks, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Both Approaches</i>								
Asphalt	85%			2029	\$3,926,500	4	\$18,100	
Concrete	100%	4+	\$54,600	2037	**	4	\$175,600	
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Both Approaches</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Approaches</i>								
<i>Explanation : 50 Percent Concrete And 50 Percent Asphalt</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$24,600	LIFE	**			
<i>Settlement, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Both Approaches</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North And South Sides</i>								
<b>Embankment</b>								
Earth	100%			LIFE	**			
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Sidewalks</b>								
Concrete	100%	4+	\$11,900	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Piers</b>								
<b>Cap Beam</b>								
Not Accessible	100%							
<b>Pier,Columns</b>								
Not Accessible	100%							
<b>Stem,Solid Pier</b>								
Not Accessible	100%							
<b>Brngs,Ancr Blts,Pads</b>								
Not Accessible	100%							
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Pedestals</b>								
Not Accessible	100%							
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**AVENUE H. BRIDGE AVENUE H./LIRR BAY RIDGE**

**Asset # : 13519**

Bridge Structure		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>Deck Elements</b>								
Railings/Parapets								
Concrete	100%			2037	**	4	\$600	
Steel	99%			LIFE	**	2-8	\$9,100	
Steel	1%	4+	\$900	LIFE	**	2-8	\$9,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : West Side</i>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$3,000	2033	**	5	\$800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Wearing Surface</b>								
Concrete	100%	2-4	\$170,300	2037	**	5	\$46,400	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Superstructure</b>								
Deck, Structural								
Not Accessible	100%							
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BATTERY PARK TUNNEL BATTERY PLACE/FDR DRIVE  
**Address** : BATTERY PLACE  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0082.000 / 2511 **Yr Built/Renovated** : 1954 /  
**Area Sq Ft** : 69,993 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 14-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2232000

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$14,882,700	\$12,171,700
<b>Total</b>	<b>\$14,882,700</b>	<b>\$12,171,700</b>
Importance Code A	\$2,267,700	\$770,400
Importance Code C	\$12,614,900	\$11,401,300
<b>Total</b>	<b>\$14,882,700</b>	<b>\$12,171,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$118,900		\$5,500	
<b>Total</b>	<b>\$118,900</b>		<b>\$5,500</b>	
Importance Code A	\$83,600		\$5,500	
Importance Code C	\$35,300			
<b>Total</b>	<b>\$118,900</b>		<b>\$5,500</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**BATTERY PARK TUNNEL BATTERY PLACE/FDR DRIVE**

**Asset # : 2511**

Bridge Structure		Current 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>Abutments</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Walls								
Concrete	90%			LIFE			**	
Concrete	10%	4+	\$1,412,200	LIFE			**	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 85%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Concrete	75%			LIFE			**	
Concrete	25%	4+	\$12,003,100	LIFE			**	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 45%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : End Of Left Wingwall</i>								
<i>Delaminations, Extent : Light, Area Affected : 10%</i>								
<i>Location : End Of Left Wingwall</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Cracking Throughout</i>								
<b>Approaches</b>								
Pavement								
Asphalt	90%			2028	\$3,679,900	4	\$100,700	
Asphalt	10%	4+	\$122,700	2028	\$408,900	4	\$67,100	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Curbs								
Concrete	100%			LIFE			**	
Concrete w/ Steel Face	100%			LIFE			**	
Pavement Base								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BATTERY PARK TUNNEL BATTERY PLACE/FDR DRIVE**

**Asset # : 2511**

Bridge Structure		Current 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>Approaches</b>								
<b>Sidewalks</b>								
Concrete	95%			LIFE		**		
Concrete	5%	4+	\$1,700	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : End Approach</i>								
<i>Settlement, Extent : Light, Area Affected : 5%</i>								
<i>Location : End Approach</i>								
<hr/>								
<b>Piers</b>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Generic	100%			LIFE		**		
<hr/>								
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete	100%			2047		**		
Concrete w/ Steel Face	100%			LIFE		**		
Granite	100%			LIFE		**		
<hr/>								
<b>Railings/Parapets</b>								
Concrete	95%			2036		**	4	\$250,700
Concrete	5%	2-4	\$161,100	2036		**	4	\$167,100
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Collision Impact At North End</i>								
<i>Damaged Railing, Extent : Light, Area Affected : 5%</i>								
<i>Location : Collision Impact At North End</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : North End</i>								
<i>Explanation : Cap Stone Is Separated From The Concrete Parapet Wall</i>								
Steel	100%	4+	\$91,200	LIFE		**	2-8	\$153,000
<i>Damaged Railing, Extent : Light, Area Affected : 2%</i>								
<i>Location : North End</i>								
<hr/>								
<b>Sidewalks</b>								
Concrete	100%			2032		**	5	\$108,000
Granite Paver	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Fascia</i>								
<i>Explanation : Pavers At North Fascia</i>								
<hr/>								
<b>Wearing Surface</b>								
Asphalt	90%			2028	\$5,988,900		5	\$604,200
Asphalt	10%	4+	\$133,100	2028	\$665,400		5	\$302,100
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Superstructure</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BATTERY PARK TUNNEL BATTERY PLACE/FDR DRIVE**

**Asset # : 2511**

<b>Bridge Structure</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>
Superstructure								
Primary Member								
	Concrete	90%			LIFE	**	5	\$360,100
	Concrete	10%	4+	\$603,300	LIFE	**	5	\$360,100
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BAY 8TH STREET BELT PARKWAY  
**Address** : BAY 8TH STREET OVER BELT PARKWAY  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0225.000 / 14960 **Yr Built/Renovated** :  
**Area Sq Ft** : 4,827 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 05-Mar-2018 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231290

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$66,800	
<b>Total</b>	<b>\$66,800</b>	
Importance Code B	\$66,800	
<b>Total</b>	<b>\$66,800</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$12,800		\$20,600	
<b>Total</b>	<b>\$12,800</b>		<b>\$20,600</b>	
Importance Code A	\$7,000		\$7,400	
Importance Code C	\$5,800		\$13,200	
<b>Total</b>	<b>\$12,800</b>		<b>\$20,600</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**BAY 8TH STREET BELT PARKWAY**  
**Asset # : 14960**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%			LIFE	**			
Backwall Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads Multi-Rotational Bearing	100%			2057	**			
Footings Not Accessible	100%							
Joint with Deck Generic	100%	Now	\$66,800	LIFE	**			
		<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : North Joint</i>						
Mat (scour & erosion) Generic	100%			LIFE	**			
Pedestals Concrete	100%			LIFE	**			
Stem (breastwall) Concrete	100%			LIFE	**			
		<i>Cracks, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Other Observation, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Northwest Corner</i>						
		<i>Explanation : Vegetation Growth</i>						
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	**			
Piles Not Accessible	100%							
Walls Masonry	100%			LIFE	**			
		<i>Vegetation Growth, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Random Locations Throughout</i>						
Feature Crossed								
Mat (scour & erosion) Asphalt	100%			LIFE	**			
Approaches								
Pavement Concrete	100%			2038	**	4	\$26,500	
Embankment Earth	100%			LIFE	**			
Guide Railing Concrete	100%			2038	**	4	\$5,600	
Mat (scour & erosion) 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BAY 8TH STREET BELT PARKWAY**  
**Asset # : 14960**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Median								
Concrete	100%			LIFE	**	5	\$2,200	
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2038	**	4	\$3,000	
		<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Explanation : Vegetation Growth</i>						
Steel	100%			LIFE	**			
Sidewalks								
Concrete	100%			LIFE	**			
Deck Elements								
Guide Railing								
Concrete	100%			2042	**			
Median								
Concrete	100%			LIFE	**	5	\$2,100	
Railings/Parapets								
Concrete	100%			2038	**	4	\$5,600	
		<i>Other Observation, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Explanation : Vegetation Growth</i>						
Steel	100%			LIFE	**	2-8	\$12,600	
		<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Small Holes In Fence On West Side</i>						
Sidewalks								
Concrete	100%			2034	**	5	\$1,900	
Wearing Surface								
Concrete	100%	4+	\$5,800	2038	**	5	\$9,900	
		<i>Old Repair, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Around Damaged Joint</i>						
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5		
Primary Member								
Steel	100%			LIFE	**	2-8		
Secondary Member								
Steel	100%			LIFE	**	2-8		

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

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BELT PARKWAY OCEAN PARKWAY  
**Address** : BELT PARKWAY EAST AND WEST BOUND OVER OCEAN AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0224.000 / 14959 **Yr Built/Renovated** : 2003 /  
**Area Sq Ft** : 28,819 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 05-Mar-2018 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231360

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$80,400	\$80,400
<b>Total</b>	<b>\$80,400</b>	<b>\$80,400</b>
Importance Code C	\$80,400	\$80,400
<b>Total</b>	<b>\$80,400</b>	<b>\$80,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$11,800		\$28,100	
<b>Total</b>	<b>\$11,800</b>		<b>\$28,100</b>	
Importance Code A	\$11,800		\$6,500	
Importance Code C			\$21,600	
<b>Total</b>	<b>\$11,800</b>		<b>\$28,100</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BELT PARKWAY OCEAN PARKWAY**  
**Asset # : 14959**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	**			
Backwall								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2049	**			
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	**			
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Stem (breastwall)								
Concrete	100%			LIFE	**			
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Masonry: Stone	100%			LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Efflorescence</i>								
Feature Crossed								
Mat (scour & erosion)								
Asphalt	100%			LIFE	**			
Pier Protection								
Concrete	100%			LIFE	**			
Approaches								
Pavement								
Concrete	100%			2038	**	4	\$43,200	
Embankment								
Earth	100%			LIFE	**			
Mat (scour & erosion)								
Not Accessible	100%							
Median								
Concrete	100%			LIFE	**	5	\$1,400	
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2038	**	4	\$2,000	

## Piers

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**BELT PARKWAY OCEAN PARKWAY**  
**Asset # : 14959**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers								
Cap Beam Concrete	100%			LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
Pier, Columns Concrete	100%			LIFE	**			
Brngs, Ancr Blts, Pads Elastomeric	100%			2049	**			
Footings Not Accessible	100%							
Mat (scour & erosion) Generic	100%			LIFE	**			
Pedestals Concrete	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Median Concrete	100%			LIFE	**	5	\$4,900	
Railings/Parapets Concrete	100%			2038	**	4	\$10,000	
Steel	100%			LIFE	**	2-8	\$22,400	
Wearing Surface Concrete	100%			2038	**	5	\$160,700	
Superstructure								
Deck, Structural Concrete	100%			LIFE	**	5		
<i>Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout Underside Of Deck</i>								
Primary Member Steel	100%			LIFE	**	2-8		
<i>Corrosion, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
Secondary Member Steel	100%			LIFE	**	2-8		

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BELT PARKWAY BRIDGE / ROCKAWAY PARKWAY  
**Address** : BELT SHORE PARKWAY  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0023.030 / 14785 **Yr Built/Renovated** : 2011 /  
**Area Sq Ft** : 10,370 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 15-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231499

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$24,600		\$100	
<b>Total</b>	<b>\$24,600</b>		<b>\$100</b>	
Importance Code A	\$2,700		\$100	
Importance Code C	\$21,900			
<b>Total</b>	<b>\$24,600</b>		<b>\$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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**BELT PARKWAY BRIDGE / ROCKAWAY PARKWAY**

**Asset # : 14785**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	**			
Backwall								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2053	**			
Footings								
Not Accessible	100%							
Joint with Deck								
Steel	100%			LIFE	**			
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Stem (breastwall)								
Concrete	100%			LIFE	**			
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE	**			
Granite	100%			LIFE	**			
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Approaches								
Pavement								
Concrete	100%			2040	**	4	\$65,800	
Embankment								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Median								
Concrete	100%			LIFE	**	5		
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2040	**	4	\$3,700	
Steel	100%			LIFE	**			
Deck Elements								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**BELT PARKWAY BRIDGE / ROCKAWAY PARKWAY**

**Asset # : 14785**

<b>Bridge Structure</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Deck Elements</b>								
<b>Median</b>								
Concrete	100%			LIFE	**	5	\$1,000	
<b>Railings/Parapets</b>								
Concrete	100%			2040	**	4	\$4,300	
Steel	100%			LIFE	**	2-8	\$3,900	
<b>Wearing Surface</b>								
Concrete	100%			2040	**	5		
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	100%			LIFE	**	5		
<b>Primary Member</b>								
Steel	100%			LIFE	**	2-8		
<b>Secondary Member</b>								
Steel	100%			LIFE	**	2-8		

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BMT SUBWAY BRIDGE PARKSIDE AVE/BMT SUBWAY  
**Address** : PARKSIDE AVE,OCEAN-FLATBUSH  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0064.000 / 2489 **Yr Built/Renovated** : 1916 /  
**Area Sq Ft** : 48,720 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 29-Nov-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2243020

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$4,480,800	\$2,130,200
<b>Total</b>	<b>\$4,480,800</b>	<b>\$2,130,200</b>
Importance Code A	\$3,066,200	\$501,300
Importance Code B	\$1,023,700	
Importance Code C	\$390,900	\$1,629,000
<b>Total</b>	<b>\$4,480,800</b>	<b>\$2,130,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$123,700			
<b>Total</b>	<b>\$123,700</b>			
Importance Code C	\$123,700			
<b>Total</b>	<b>\$123,700</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**BMT SUBWAY BRIDGE PARKSIDE AVE/BMT SUBWAY**

**Asset # : 2489**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Stem (breastwall)								
Concrete	15%	4+	\$104,700	LIFE	**			
			<i>Efflorescence, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Throughout</i>					
Concrete	85%			LIFE	**			
Tile	100%			LIFE	**			
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Ceramic Tiles Obscure View Of Structural Wall</i>					
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE	**			
Approaches								
Pavement								
Asphalt	55%	4+	\$21,700	2030	**	4	\$12,400	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Both Approaches</i>					
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Beginning Approach</i>					
			<i>Explanation : Rutting, Uneven Pavement</i>					
Asphalt	45%			2023	\$355,300	4	\$18,700	
Concrete	35%	4+	\$16,700	2038	**	4	\$92,500	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	65%			2025	\$1,550,200	4	\$138,700	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BMT SUBWAY BRIDGE PARKSIDE AVE/BMT SUBWAY**

**Asset # : 2489**

Bridge Structure		Current 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>Approaches</b>								
<b>Curbs</b>								
Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Approach Curbs Are 50 Percent Concrete And 50 Percent Concrete With Steel Face</i>								
Concrete w/ Steel Face	100%			LIFE		**		
<i>Rust Stains, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Approach Curbs Are 50 Percent Concrete With Steel Face And 50 Percent Concrete</i>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$17,100	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<b>Piers</b>								
<b>Pier,Columns</b>								
Concrete	100%			LIFE		**		
<b>Stem,Solid Pier</b>								
Concrete	60%			LIFE		**		
Concrete	40%	2-4	\$919,000	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Delaminations, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE		**		
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BMT SUBWAY BRIDGE PARKSIDE AVE/BMT SUBWAY**  
**Asset # : 2489**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Curbs</b>								
Concrete	100%			2049	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Deck Elements Curbs Are 50 Percent Concrete And 50 Percent Concrete With Steel Face</i>								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Deck Elements Curbs Are 50 Percent Concrete With Steel Face And 50 Percent Concrete</i>								
<b>Gratings</b>								
Steel	100%			LIFE	**			
<b>Sidewalks</b>								
Asphalt	100%	4+	\$3,900	2027	\$78,800	4	\$17,900	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Plaza Entrance To Station Building</i>								
Concrete	60%			2034	**	5	\$4,800	
Concrete	40%	4+	\$11,800	2034	**	5	\$2,400	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Wearing Surface</b>								
Asphalt	100%	4+	\$35,700	2030	**	5	\$31,100	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Superstructure</b>								
<b>Primary Member</b>								
Concrete	40%	4+	\$766,500	LIFE	**	5	\$250,600	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Delaminations, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	60%	2-4	\$2,299,600	LIFE	**	5	\$250,600	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								

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

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BRONX PELHAM PARKWAY BRIDGE BRONX PELHAM PKWY/AMTRAK,METRO N  
**Address** : OVER BRONX RIVER PARKWAY  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0152.000 / 13515 **Yr Built/Renovated** : 1907 /  
**Area Sq Ft** : 24,591 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 31-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2229560

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$64,500	\$1,002,200
<b>Total</b>	<b>\$64,500</b>	<b>\$1,002,200</b>
Importance Code A		\$39,500
Importance Code C	\$64,500	\$962,700
<b>Total</b>	<b>\$64,500</b>	<b>\$1,002,200</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$123,400	\$8,000	\$400	
<b>Total</b>	<b>\$123,400</b>	<b>\$8,000</b>	<b>\$400</b>	
Importance Code A	\$25,600	\$600	\$400	
Importance Code B	\$14,700			
Importance Code C	\$83,100	\$7,500		
<b>Total</b>	<b>\$123,400</b>	<b>\$8,000</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BRONX PELHAM PARKWAY BRIDGE BRONX PELHAM PKWY/AMTRAK,METRO N**  
**Asset # : 13515**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underside Of Bridge</i>								
<i>Explanation : Not Accessible For Inspection. Requires Railroad Flagman</i>								
Footings								
Not Accessible	100%							
Joint with Deck								
Steel	99%			LIFE		**		
Steel	1%	4+	\$900	LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Damaged Filler Material</i>								
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Stem (breastwall)								
Concrete	10%	4+	\$13,800	LIFE		**		
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	90%			LIFE		**		
Walls								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Approaches								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**BRONX PELHAM PARKWAY BRIDGE BRONX PELHAM PKWY/AMTRAK,METRO N**  
**Asset # : 13515**

Bridge Structure		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>Approaches</b>								
<b>Pavement</b>								
Asphalt	85%	4+	\$30,400	2029	\$608,600	4	\$14,900	
<i>Cracks, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : At East Approach</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Total Pavement Area Consists Of 50 Percent Asphalt And 50 Percent Concrete</i>								
Asphalt	15%			2029	\$107,400	4	\$22,400	
Concrete	100%	4+	\$22,300	2037	**	4	\$57,000	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Both Approaches</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : At Both Approaches</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$3,700	LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Embankment</b>								
Earth	100%			LIFE	**			
<b>Guide Railing</b>								
Concrete	100%	2-4	\$1,700	2037	**	4	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : West Approach South Side</i>								
<i>Explanation : Total Guide Railing Consists Of 20 Percent Concrete, 30 Percent Steel And 50 Percent Timber</i>								
Steel	100%			LIFE	**	2-8	\$1,700	
Timber	100%	4+	\$2,000	2029	\$39,500	4	\$1,600	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout Timber Rail</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : West Approach South End</i>								
<i>Explanation : Timber Railing</i>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BRONX PELHAM PARKWAY BRIDGE BRONX PELHAM PKWY/AMTRAK,METRO N**  
**Asset # : 13515**

Bridge Structure		Current 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>Approaches</b>								
<b>Railings/Parapets</b>								
Concrete	100%	4+	\$1,200	2037	**	4	\$300	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Steel	100%			LIFE	**			
<b>Sidewalks</b>								
<b>Asphalt</b>								
	100%	4+	\$9,100	2029	\$182,200	4	\$7,900	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	100%	4+	\$10,000	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Piers</b>								
<b>Cap Beam</b>								
Not Accessible	100%							
<b>Stem,Solid Pier</b>								
Not Accessible	100%							
<b>Brngs,Ancr Blts,Pads</b>								
Not Accessible	100%							
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Pedestals</b>								
Not Accessible	100%							
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete	100%			2048	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Side Curb</i>								
<i>Explanation : North Side Curb Is Concrete With Steel Face And Concrete Roadway Barrier At South 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BRONX PELHAM PARKWAY BRIDGE BRONX PELHAM PKWY/AMTRAK,METRO N**  
**Asset # : 13515**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Guide Railing Concrete	100%	4+	\$17,100	2041		**		
<i>Exposed Reinforcement, Extent : Light, Area Affected : 3%</i>								
<i>Location : South Face Of Concrete Barrier</i>								
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : South Face Of Concrete Barrier</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Along The South Side Of The Bridge</i>								
<i>Explanation : Concrete Guide Rail With Steel Fencing</i>								
Railings/Parapets								
Concrete	100%			2037		**	4	\$1,700
Steel	100%			LIFE		**	2-8	\$9,500
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Exterior Surface</i>								
Sidewalks								
Concrete	100%	4+	\$11,200	2033		**	5	\$6,000
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Wearing Surface								
Concrete	100%			2037		**	5	\$129,100
Superstructure								
Deck,Structural								
Not Accessible	100%							
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BRUCKNER BLVD. OVERPASS BRIDGE BRUCKNER BLVD OVPAS/133-135TH ST  
**Address** : 133RD - 135TH ST  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0077.000 / 2508 **Yr Built/Renovated** : 1938 /  
**Area Sq Ft** : 32,900 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 24-Aug-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2266540

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$1,017,900	\$1,420,700
<b>Total</b>	<b>\$1,017,900</b>	<b>\$1,420,700</b>
Importance Code A	\$807,300	\$238,200
Importance Code B		\$651,300
Importance Code C	\$210,600	\$531,300
<b>Total</b>	<b>\$1,017,900</b>	<b>\$1,420,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$156,300		\$66,400	
<b>Total</b>	<b>\$156,300</b>		<b>\$66,400</b>	
Importance Code A	\$13,300		\$700	
Importance Code B	\$5,000		\$65,300	
Importance Code C	\$138,000		\$400	
<b>Total</b>	<b>\$156,300</b>		<b>\$66,400</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BRUCKNER BLVD. OVERPASS BRIDGE BRUCKNER BLVD OVPAS/133-135TH ST**  
**Asset # : 2508**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Backwall								
Concrete	100%			LIFE		**		
Footings								
Not Accessible	100%							
Joint with Deck								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Stem (breastwall)								
Brick	100%			LIFE		**		
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%	4+	\$8,500	LIFE		**		
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Small Random Potholes Throughout</i>								
Piles								
Not Accessible	100%							
Walls								
Brick	95%			LIFE		**		
Brick	5%	4+	\$2,600	LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Broken/missing Element</i>								
Concrete	55%	4+	\$210,600	LIFE		**		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Joint Filler At Southwest Wingwall Joint</i>								
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Northwest Wingwall</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Southwest Wingwall</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Minor Peeling Paint</i>								
Concrete	45%			LIFE		**		
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Approaches								
Pavement								
Asphalt	100%			2028	\$185,700	4	\$4,800	
Concrete	10%	4+	\$9,900	2036	**	4	\$217,000	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	90%			2036	**	4	\$325,600	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BRUCKNER BLVD. OVERPASS BRIDGE BRUCKNER BLVD OVPAS/133-135TH ST**  
**Asset # : 2508**

Bridge Structure		Current 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>Approaches</b>								
<b>Curbs</b>								
Concrete	100%			LIFE	**			
<b>Embankment</b>								
Earth	100%			LIFE	**			
<b>Guide Railing</b>								
Concrete	100%			2036	**	4		
Steel	100%			LIFE	**	2-8	\$25,700	
<b>Pavement Base</b>								
Not Accessible	100%							
<b>Railings/Parapets</b>								
Concrete	100%			2036	**	4		
Steel	100%	4+	\$10,200	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Northern Approach</i>								
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Sidewalks</b>								
Concrete	100%			LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Cracks</i>								
<b>Piers</b>								
<b>Cap Beam</b>								
Steel	100%			LIFE	**	2-8		
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Pier,Columns</b>								
Concrete Encased Steel	100%	4+	\$5,000	LIFE	**	5	\$12,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Delamination</i>								
Steel	100%			LIFE	**	2-8	\$937,500	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Span 1</i>								
<i>Explanation : Impact Damage</i>								
<b>Stem,Solid Pier</b>								
Concrete	100%			LIFE	**			
<b>Footings</b>								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BRUCKNER BLVD. OVERPASS BRIDGE BRUCKNER BLVD OVPAS/133-135TH ST**  
**Asset # : 2508**

Bridge Structure		Current 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>Piers</b>								
Mat (scour & erosion)								
Generic	100%			LIFE		**		
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete	100%			2047		**		
			<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>					
			<i>Location : At Joints</i>					
<b>Gratings</b>								
Steel	100%			LIFE		**		
<b>Guide Railing</b>								
Concrete	100%			2040		**		
			<i>Other Observation, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Peeling Paint</i>					
Steel	100%	4+	\$2,000	LIFE		**		
			<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Broken Support At Southwest Side</i>					
<b>Median</b>								
Concrete	100%			LIFE		**	5	
<b>Railings/Parapets</b>								
Concrete	100%			2036		**	4	\$3,200
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Minor Scaling And Peeling Paint</i>					
<b>Sidewalks</b>								
Concrete	100%			2032		**	5	\$800
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
<b>Wearing Surface</b>								
Asphalt	100%	4+	\$6,900	2028	\$345,600		5	\$17,100
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Transverse Cracks</i>					
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	40%			LIFE		**	5	\$36,200
Concrete	60%	2-4	\$248,200	LIFE		**	5	\$36,200
			<i>Cracks, Extent : Light, Area Affected : 20%</i>					
			<i>Location : On Underside Of Deck</i>					
			<i>Spalling, Extent : Light, Area Affected : 20%</i>					
			<i>Location : On Underside Of Deck</i>					

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**BRUCKNER BLVD. OVERPASS BRIDGE BRUCKNER BLVD OVPAS/133-135TH ST**  
**Asset # : 2508**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Primary Member								
Concrete Encased Steel	100%	4+	\$559,000	LIFE	**	5	\$165,800	
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 80%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Peeling Paint</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$509,500	
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random Locations 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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : CONEY ISLAND AVE. BRIDGE  
**Address** : CONEY ISLAND AVE.  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0169.000 / 13577 **Yr Built/Renovated** :  
**Area Sq Ft** : 20,600 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 07-Dec-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231380

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$576,600	\$501,800
<b>Total</b>	<b>\$576,600</b>	<b>\$501,800</b>
Importance Code A	\$257,900	\$257,900
Importance Code B	\$203,900	\$203,900
Importance Code C	\$114,800	\$40,000
<b>Total</b>	<b>\$576,600</b>	<b>\$501,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$301,600		\$72,800	
<b>Total</b>	<b>\$301,600</b>		<b>\$72,800</b>	
Importance Code A	\$178,100		\$31,000	
Importance Code B	\$69,800		\$20,400	
Importance Code C	\$53,700		\$21,300	
<b>Total</b>	<b>\$301,600</b>		<b>\$72,800</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**CONEY ISLAND AVE. BRIDGE**  
**Asset # : 13577**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	**			
Backwall								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$21,800	LIFE	**			
<i>Missing/Damaged Seal, Extent : Light, Area Affected : 15%</i>								
<i>Location : North Abutment</i>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Stem (breastwall)								
Concrete	15%	4+	\$10,900	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Both Abutments</i>								
Concrete	85%			LIFE	**			
Masonry	100%			LIFE	**			
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Concrete	5%	4+	\$46,300	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	95%			LIFE	**			
Masonry: Stone	100%			LIFE	**			
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Approaches								
Pavement								
Asphalt	100%			2030	**	4	\$42,700	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**CONEY ISLAND AVE. BRIDGE**  
**Asset # : 13577**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Curbs								
Concrete w/ Steel Face	100%	4+	\$12,200	LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Embankment								
Generic	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Median								
Concrete	100%	4+	\$21,600	LIFE	**	5	\$5,100	
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : North Approach</i>								
Railings/Parapets								
Concrete	100%			2038	**	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both East And West Parapets</i>								
<i>Explanation : Steel Fence On Top Of Concrete Parapet</i>								
Steel	100%			LIFE	**			
Sidewalks								
Concrete	100%	4+	\$68,500	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 2%</i>								
<i>Location : Northwest Approach</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Southeast Corner</i>								
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$208,800	
Pier, Columns								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Concrete Pier Columns</i>								
<i>Explanation : Stone Facing</i>								
Brngs, Ancr Blts, Pads								
Steel	100%			LIFE	**	2-8	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 33%</i>								
<i>Location : Piers 1, 2 and 3</i>								
<i>Explanation : Steel Bearing Assembly (Fixed Brg.) At Pier 2. Elastomeric Bearings (Expansion Bearing) At Piers 1 And 3.</i>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**CONEY ISLAND AVE. BRIDGE**  
**Asset # : 13577**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers								
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Median								
Concrete	80%	4+	\$11,400	LIFE	**	5	\$3,400	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	20%			LIFE	**	5	\$6,700	
Railings/Parapets								
Concrete	100%			2038	**	4	\$9,200	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Concrete Parapet With Steel Fence On Top</i>					
Steel	100%			LIFE	**	2-8	\$20,600	
Sidewalks								
Concrete	100%	4+	\$29,300	2034	**	5	\$4,800	
			<i>Cracks, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
Wearing Surface								
Concrete	100%	4+	\$24,400	2038	**	5	\$40,000	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Near Cold Joints At Piers</i>					
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$45,300	
			<i>Corrosion, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout At Underside Of Stay-In-Place Decks</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout Except Underdeck Bay Along Centerline Of Bridge</i>					
			<i>Explanation : Underdeck Steel Deck Form</i>					
Primary Member								
Steel	100%			LIFE	**	2-8	\$652,700	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$560,000	

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : CONRAIL NE REG BRIDGE MELROSE AVE/CONRAIL PT MORRIS  
**Address** : MELROSE-WEBSTER,E163 TO 165 ST  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0054.000 / 2661 **Yr Built/Renovated** : 1897 /  
**Area Sq Ft** : 37,481 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 22-Nov-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241110

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$997,600	\$850,900
<b>Total</b>	<b>\$997,600</b>	<b>\$850,900</b>
Importance Code A	\$412,200	\$412,200
Importance Code B	\$443,700	\$371,000
Importance Code C	\$141,600	\$67,700
<b>Total</b>	<b>\$997,600</b>	<b>\$850,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$318,000		\$75,300	
<b>Total</b>	<b>\$318,000</b>		<b>\$75,300</b>	
Importance Code A	\$194,100		\$38,100	
Importance Code B	\$84,600		\$37,200	
Importance Code C	\$39,300			
<b>Total</b>	<b>\$318,000</b>		<b>\$75,300</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**CONRAIL NE REG BRIDGE MELROSE AVE/CONRAIL PT MORRIS**

**Asset # : 2661**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals Concrete	100%			LIFE		**		
Backwall Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads Steel	100%			LIFE		**		
Footings Not Accessible	100%							
Joint with Deck Generic	100%	4+	\$72,800	LIFE		**		
			<i>Missing/Damaged Seal, Extent : Light, Area Affected : 15%</i>					
			<i>Location : Random Locations Throughout</i>					
Mat (scour & erosion) Earth	100%			LIFE		**		
Pedestals Concrete	100%			LIFE		**		
Stem (breastwall) Masonry	100%			LIFE		**		
<b>Wingwalls</b>								
Footings Not Accessible	100%							
Piles Not Accessible	100%							
Walls Masonry	100%	4+	\$7,500	LIFE		**		
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
<b>Feature Crossed</b>								
Mat (scour & erosion) Generic	100%			LIFE		**		
<b>Approaches</b>								
Pavement Asphalt	100%	4+	\$27,600	2030		**	4	\$18,800
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Pavement Patching</i>					
Curbs Concrete w/ Steel Face	100%			LIFE		**		
			<i>Rust Stains, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Vegetation Growth, Extent : Light, Area Affected : 15%</i>					
			<i>Location : Random Locations Throughout</i>					

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**CONRAIL NE REG BRIDGE MELROSE AVE/CONRAIL PT MORRIS**  
**Asset # : 2661**

Bridge Structure		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>Approaches</b>								
Railings/Parapets Concrete	100%	4+	\$22,400	2038	**	4	\$9,700	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 4%</i>					
			<i>Location : Random Locations Throughout</i>					
Steel	100%			LIFE	**			
<b>Sidewalks</b>								
Concrete	100%	4+	\$4,200	LIFE	**			
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
<b>Piers</b>								
Cap Beam Concrete	100%			LIFE	**			
			<i>Efflorescence, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Pier,Columns Concrete	100%			LIFE	**			
			<i>Other Observation, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Water Stains</i>					
Stem,Solid Pier Masonry	100%	4+	\$17,000	LIFE	**			
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Efflorescence Staining</i>					
Brngs,Ancr Blts,Pads Steel	100%			LIFE	**	2-8	\$17,200	
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Pedestals</b>								
Concrete	100%			LIFE	**			
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$11,200	LIFE	**			
			<i>Rust Stains, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**CONRAIL NE REG BRIDGE MELROSE AVE/CONRAIL PT MORRIS**  
**Asset # : 2661**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Median								
Concrete	100%	4+	\$2,700	LIFE	**	5	\$1,400	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Concrete	100%	4+	\$19,900	2038	**	4	\$8,600	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
Steel	100%			LIFE	**	2-8	\$19,100	
<i>Corrosion, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
Sidewalks								
Concrete	100%	4+	\$94,100	2034	**	5	\$13,200	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Wearing Surface								
Asphalt	100%			2030	**	5		
Concrete	100%	4+	\$47,600	2038	**	5	\$67,700	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Scupper								
Cast Iron	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Along The Curbs</i>								
<i>Explanation : Total Of 14 Scuppers</i>								
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$82,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Stay In Place Forms - Good Condition</i>								
Joints								
Steel	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8	\$1,187,600	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$1,019,000	

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : CROSS BAY BLVD. BRIDGE CONDUIT BLVD  
**Address** : CROSS BAY BLVD.  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0160.000 / 13568 **Yr Built/Renovated** :  
**Area Sq Ft** : 17,000 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 29-Nov-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2248039

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$336,500	\$336,500
<b>Total</b>	<b>\$336,500</b>	<b>\$336,500</b>
Importance Code A	\$168,300	\$168,300
Importance Code B	\$168,300	\$168,300
<b>Total</b>	<b>\$336,500</b>	<b>\$336,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$152,500		\$60,400	
<b>Total</b>	<b>\$152,500</b>		<b>\$60,400</b>	
Importance Code A	\$103,800		\$17,200	
Importance Code B	\$48,700		\$16,900	
Importance Code C			\$26,300	
<b>Total</b>	<b>\$152,500</b>		<b>\$60,400</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**CROSS BAY BLVD. BRIDGE CONDUIT BLVD**  
**Asset # : 13568**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	**			
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**			
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$18,100	LIFE	**			
<i>Missing/Damaged Seal, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Joint</i>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Stem (breastwall)								
Concrete	100%			LIFE	**			
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Granite	100%			LIFE	**			
Approaches								
Pavement								
Asphalt	100%			2030	**	4	\$21,200	
Concrete	100%			2038	**	4	\$31,500	
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Steel	100%	4+	\$11,100	LIFE	**	2-8	\$5,900	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Northeast And Southeast</i>								
<i>Explanation : Guide Rail Has Vehicular Impact Damage</i>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Railings/Parapets								
Concrete	100%			2038	**	4		
Steel	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**CROSS BAY BLVD. BRIDGE CONDUIT BLVD**  
**Asset # : 13568**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
Pier,Columns								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Fascia Columns</i>								
<i>Explanation : Fascia Columns Are Concrete With Cut Stone Masonry Facing - Veneer</i>								
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**	2-8	\$6,900	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Median								
Concrete	100%			LIFE	**	5	\$2,800	
Mono Deck Surface								
Concrete	100%			2049	**	5		
Railings/Parapets								
Concrete	100%	4+	\$13,700	2038	**	4	\$7,800	
<i>Spalling, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Both Fascias At Northeast And Northwest Abutment</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Parapets</i>								
<i>Explanation : Vertical Face Concrete Parapet With Steel Chainlink Protective Screening Mounted On Top Of Parapet</i>								
Sidewalks								
Concrete	100%			2034	**	5	\$5,100	
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
Wearing Surface								
Concrete	100%			2038	**	5		
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Superstructure								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**CROSS BAY BLVD. BRIDGE CONDUIT BLVD**  
**Asset # : 13568**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Deck, Structural Concrete	100%			LIFE	**	5	\$37,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entire Deck</i>								
<i>Explanation : Concrete Deck With Stay - In - Place Metal Forms</i>								
Primary Member Steel	100%			LIFE	**	2-8	\$538,700	
Secondary Member Steel	100%			LIFE	**	2-8	\$462,200	

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : CROSS BAY BOULEVARD BRIDGE BELT SYSTEM --SHORE PARKWAY  
**Address** : OVER BELT SHORE PARKWAY  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0153.000 / 13516 **Yr Built/Renovated** :  
**Area Sq Ft** : 23,205 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 11-Oct-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231559

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$170,800	\$6,634,900
<b>Total</b>	<b>\$170,800</b>	<b>\$6,634,900</b>
Importance Code A		\$459,400
Importance Code B	\$83,800	\$229,700
Importance Code C	\$87,000	\$5,945,900
<b>Total</b>	<b>\$170,800</b>	<b>\$6,634,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$182,300	\$65,600	\$70,100	
<b>Total</b>	<b>\$182,300</b>	<b>\$65,600</b>	<b>\$70,100</b>	
Importance Code A	\$83,600		\$47,100	
Importance Code B	\$24,300		\$23,000	
Importance Code C	\$74,300	\$65,600		
<b>Total</b>	<b>\$182,300</b>	<b>\$65,600</b>	<b>\$70,100</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**CROSS BAY BOULEVARD BRIDGE BELT SYSTEM --SHORE PARKWAY**  
**Asset # : 13516**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	30%	4+	\$15,600	LIFE		**		
	<i>Cracks, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
Concrete	70%			LIFE		**		
Backwall								
Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE		**		
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	65%	4+	\$20,900	LIFE		**		
	<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Both Abutments</i>							
Generic	35%			LIFE		**		
Mat (scour & erosion)								
Earth	100%			LIFE		**		
	<i>Other Observation, Extent : Light, Area Affected : 60%</i>							
	<i>Location : Both Abutments</i>							
	<i>Explanation : Earth On Side And Pave Stone On A Slope Underneath Abutment</i>							
Pedestals								
Concrete	100%	4+	\$3,300	LIFE		**		
	<i>Cracks, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Beginning Of Abutment West Side</i>							
	<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Beginning Of Abutment West Side</i>							
	<i>Spalling, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Beginning Of Abutment West Side</i>							
Stem (breastwall)								
Concrete	59%	4+	\$41,100	LIFE		**		
	<i>Cracks, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Begin Abutment West Side</i>							
	<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : End Abutment West Side</i>							
	<i>Explanation : Exposed Rebars</i>							
	<i>Spalling, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : End Abutment West Side</i>							
Concrete	41%			LIFE		**		
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Piles								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**CROSS BAY BOULEVARD BRIDGE BELT SYSTEM --SHORE PARKWAY**  
**Asset # : 13516**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Wingwalls								
Walls								
Masonry: Stone	100%			LIFE	**			
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Pier Protection								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : New Jersey Barrier</i>								
Approaches								
Pavement								
Asphalt	74%	4+	\$87,000	2029	\$4,349,500	4	\$131,300	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : On Surface</i>								
<i>Explanation : Pavement Area Consists Of 80 Percent Asphalt And 20 Percent Concrete</i>								
Asphalt	26%			2029	\$1,528,200	4	\$196,900	
Concrete	100%	4+	\$12,800	2037	**	4	\$35,200	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Embankment								
Earth	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**	5		
Railings/Parapets								
Steel	100%			LIFE	**			
Sidewalks								
Concrete	100%	4+	\$15,800	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Isolated Locations Throughout</i>								
<i>Settlement, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Both Approaches</i>								

Piers

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**CROSS BAY BOULEVARD BRIDGE BELT SYSTEM --SHORE PARKWAY**  
**Asset # : 13516**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers								
Pier,Columns Concrete	100%	4+	\$42,700	LIFE		**		
<i>Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Pier</i>								
<i>Explanation : Pier Column Is 65 Percent Concrete And 35 Percent Stone Masonry</i>								
Masonry	100%	4+	\$3,500	LIFE		**		
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Piers, Scattered Locations Throughout</i>								
<i>Explanation : Loose Elements And Vegetation Growth</i>								
Brngs,Ancr Blts,Pads Steel	100%			LIFE		**	2-8	\$16,500
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Pier</i>								
<i>Explanation : Paved Roadway</i>								
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
Median								
Concrete	100%	4+	\$33,400	LIFE		**	5	\$27,900
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Near End Approach</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 1%</i>								
<i>Location : Near End Approach</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Island Median</i>								
Railings/Parapets Steel	100%			LIFE		**	2-8	\$7,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Steel Railing And Fence</i>								
Sidewalks								
Concrete	100%	4+	\$6,300	2033		**	5	\$3,600
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Isolated Locations</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**CROSS BAY BOULEVARD BRIDGE BELT SYSTEM --SHORE PARKWAY**  
**Asset # : 13516**

Bridge Structure		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>Deck Elements</b>								
Wearing Surface Concrete	100%	4+	\$29,300	2037	**	5	\$68,200	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Near Approach</i>								
<hr/>								
<b>Superstructure</b>								
Deck, Structural Concrete	100%			LIFE	**	5	\$25,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Stay In Place Forms Used Under Deck</i>								
<hr/>								
<b>Joints</b>								
Generic	100%	4+	\$10,200	LIFE	**			
<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Primary Member</b>								
Steel	2%	4+	\$31,400	LIFE	**	2-8	\$429,000	
<i>Loss of Section, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Near North Center Pier</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Bird Nesting</i>								
Steel	98%			LIFE	**	2-8	\$429,000	
<hr/>								
<b>Secondary Member</b>								
Steel	100%			LIFE	**	2-8	\$359,400	

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

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : DEPOT PLACE BRIDGE DEPOT PLACE/CONRAIL HUDSON DV  
**Address** : METRO NORTH  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0008.000 / 2443 **Yr Built/Renovated** : 1983 /  
**Area Sq Ft** : 30,192 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 22-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2076640

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$944,900	\$1,319,000
<b>Total</b>	<b>\$944,900</b>	<b>\$1,319,000</b>
Importance Code A	\$154,500	\$296,900
Importance Code B	\$542,300	\$597,700
Importance Code C	\$248,100	\$424,400
<b>Total</b>	<b>\$944,900</b>	<b>\$1,319,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$65,200	\$8,000	\$92,300	
<b>Total</b>	<b>\$65,200</b>	<b>\$8,000</b>	<b>\$92,300</b>	
Importance Code A	\$5,400	\$8,000	\$30,800	
Importance Code B	\$24,200		\$61,500	
Importance Code C	\$35,600			
<b>Total</b>	<b>\$65,200</b>	<b>\$8,000</b>	<b>\$92,300</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**DEPOT PLACE BRIDGE DEPOT PLACE/CONRAIL HUDSON DV**  
**Asset # : 2443**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE			* *	
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Piles								
Not Accessible	100%							
Walls								
Cast Iron	100%			LIFE			* *	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : South Abutment</i>								
<i>Explanation : Steel Sheeting Underconstruction</i>								
Concrete	100%			LIFE			* *	
<b>Feature Crossed</b>								
Bank Protection								
Riprap	100%	Now	\$124,400	LIFE			* *	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Along West Fascia - Harlem River</i>								
<i>Erosion, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Along Bank Of Harlem River</i>								
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Southern Section</i>								
<i>Explanation : No Component For 50% Of Asset</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**DEPOT PLACE BRIDGE DEPOT PLACE/CONRAIL HUDSON DV**  
**Asset # : 2443**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed								
Pier Protection								
Steel	100%	0-2	\$435,900	LIFE	**			
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Piers Located Along Bank Of Harlem River</i>								
<i>Explanation : Corrosion/ Section Loss On Steel Fender System</i>								
Approaches								
Pavement								
Asphalt	100%	2-4	\$59,000	2026	\$294,800	4	\$3,900	
<i>Cracks, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : More Severe At South Approach</i>								
Concrete	100%	4+	\$13,800	2037	**	4	\$14,900	
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Both Approaches</i>								
Curbs								
Concrete	5%	4+	\$4,000	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : More Severe At South Approach</i>								
Concrete	95%			LIFE	**			
Granite	100%			LIFE	**			
Embankment								
Generic	100%			LIFE	**			
Mat (scour & erosion)								
Earth	80%			LIFE	**			
Earth	20%	Now	\$1,400	LIFE	**			
<i>Erosion, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : South Approach Along Bank Of Harlem River</i>								
Railings/Parapets								
Concrete	100%			2037	**	4		
Steel	100%			LIFE	**			
Sidewalks								
Under Construction	100%							
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$45,600	
Stem,Solid Pier								
Concrete	100%	4+	\$106,400	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Rust Stains, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Spall With Exposed Rebars</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**DEPOT PLACE BRIDGE DEPOT PLACE/CONRAIL HUDSON DV**  
**Asset # : 2443**

Bridge Structure		Current 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>Piers</b>								
Brngs,Ancr Blts,Pads								
Steel	100%	4+	\$110,100	LIFE	**	2-8	\$16,000	
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Under Leaky Deck Joints</i>								
<hr/>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Riprap	100%	2-4	\$44,400	LIFE	**			
<i>Broken,Missing Pave, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Along Harlem River</i>								
Generic	100%			LIFE	**			
<hr/>								
<b>Pedestals</b>								
Concrete	100%	4+	\$17,800	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Piers 5, 6 And 7</i>								
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Piles</b>								
Steel	100%			LIFE	**			
<hr/>								
<b>Deck Elements</b>								
<b>Curbs</b>								
Granite	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Vegetation Growth</i>								
<hr/>								
<b>Railings/Parapets</b>								
Concrete	100%			2037	**	4	\$24,000	
Steel	100%			LIFE	**	2-8	\$9,400	
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations, Steel Railing On Top Of Concrete Parapet On Both Sides.</i>								
<i>Also Chain Link Fence On Both Sides In The Spans Over Tracks, Total Length</i>								
<i>Approximately 125 Feet</i>								
<hr/>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$11,800	2033	**	5	\$4,100	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations</i>								
<hr/>								
<b>Wearing Surface</b>								
Concrete	95%			2037	**	5	\$129,600	
Concrete	5%	4+	\$5,700	2037	**	5	\$64,800	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Spans 1 To 5</i>								
<i>Spalling, Extent : Light, Area Affected : 3%</i>								
<i>Location : Near South End</i>								
<hr/>								
<b>Superstructure</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**DEPOT PLACE BRIDGE DEPOT PLACE/CONRAIL HUDSON DV**  
**Asset # : 2443**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Deck, Structural Concrete	100%			LIFE	**	5	\$33,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Spans 5 To 11</i>								
<i>Explanation : Stay In Place Forms At Underdeck</i>								
Joints								
Generic	100%	4+	\$4,300	LIFE	**			
<i>Leakage, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Primary Member								
Prestressed Concrete Box Beam	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Near South Abutment</i>								
<i>Explanation : Consists Of 20 Percent Precast Box Beam Girders And 80 Percent Steel Girders</i>								
Steel	100%			LIFE	**	2-8	\$554,600	
Secondary Member								
Steel	5%	2-4	\$6,400	LIFE	**	2-8	\$467,600	
<i>Corrosion, Extent : Light, Area Affected : 20%</i>								
<i>Location : Adjacent To Deck Joints</i>								
<i>Loss of Section, Extent : Light, Area Affected : 5%</i>								
<i>Location : Adjacent To Deck Joints</i>								
Steel	95%			LIFE	**	2-8	\$467,600	

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

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : E. 12TH STREET BRIDGE  
**Address** : E. 12TH STREET  
**Borough** : BROOKLYN  
**Program / Asset #** : DOT0163.000 / 13571  
**Area Sq Ft** : 17,200  
**Date of Survey** : 11-Dec-2017  
**Areas Surveyed** :  
**Block** :                      **Lot** :                      **BIN** : 2231390  
**Agency's Number** : N/A  
**Yr Built/Renovated** :  
**Project Type** : HIGHWAY BRIDGES  
**Landmark Status** : NONE

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$3,332,500	
<b>Total</b>	<b>\$3,332,500</b>	
Importance Code A	\$74,300	
Importance Code C	\$3,258,200	
<b>Total</b>	<b>\$3,332,500</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$302,300		\$1,500	\$34,600
<b>Total</b>	<b>\$302,300</b>		<b>\$1,500</b>	<b>\$34,600</b>
Importance Code A	\$104,900		\$1,500	
Importance Code B	\$69,100			
Importance Code C	\$128,300			\$34,600
<b>Total</b>	<b>\$302,300</b>		<b>\$1,500</b>	<b>\$34,600</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**E. 12TH STREET BRIDGE**  
**Asset # : 13571**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Blocked By Bridge Painting Scaffolding</i>								
Backwall								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Blocked By Bridge Painting Scaffolding</i>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Blocked By Bridge Painting Scaffolding</i>								
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$19,700	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Concrete Headers</i>								
<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Concrete Headers</i>								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Pedestals								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Blocked By Bridge Painting Scaffolding</i>								
Stem (breastwall)								
Concrete	30%	4+	\$21,600	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Both Abutments</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : At South Abutment</i>								
Concrete	70%			LIFE			**	
Masonry	100%	4+	\$13,400	LIFE			**	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Northeast Corner</i>								
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	

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Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**E. 12TH STREET BRIDGE**  
**Asset # : 13571**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Wingwalls								
Piles								
Not Accessible	100%							
Walls								
Concrete	2%	4+	\$19,100	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Vertical And Horizontal Cracks At Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	98%			LIFE		**		
Masonry: Stone	85%			LIFE		**		
Masonry: Stone	15%	4+	\$5,600	LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Efflorescence</i>								
Approaches								
Pavement								
Asphalt	6%	4+	\$20,800	2030		**	4	\$54,600
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
Asphalt	94%			2023	\$3,258,200	4		\$82,000
Concrete	100%			2038		**	4	
Curbs								
Concrete w/ Steel Face	100%	4+	\$74,300	LIFE		**		
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
Embankment								
Earth	100%			LIFE		**		
Guide Railing								
Steel	100%			LIFE		**	2-8	\$69,400
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Median								
Concrete	11%	4+	\$5,300	LIFE		**	5	\$11,300
<i>Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : At Concrete Curbs With Steel Face</i>								
<i>Explanation : Corrosion</i>								
Concrete	89%			LIFE		**	5	\$22,600
Railings/Parapets								
Steel	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**E. 12TH STREET BRIDGE**  
**Asset # : 13571**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Sidewalks								
Concrete	25%	4+	\$10,400	LIFE		**		
	<i>Cracks, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Spalling, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
Concrete	75%			LIFE		**		
Piers								
Pier,Columns								
Concrete	100%	2-4	\$14,400	LIFE		**		
	<i>Joints Missing, Extent : Light, Area Affected : 5%</i>							
	<i>Location : West Center Pier</i>							
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : All Piers</i>							
	<i>Explanation : Outer Face Finished With Stone Masonry</i>							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : Blocked By Bridge Painting Scaffolding</i>							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Pedestals								
Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : Blocked By Bridge Painting Scaffolding</i>							
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%	4+	\$23,500	LIFE		**		
	<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Spalling, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
Median								
Concrete	100%	4+	\$12,900	LIFE		**	5	\$3,000
	<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : At Concrete Curbs With Steel Face</i>							
	<i>Spalling, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
Railings/Parapets								
Steel	100%			LIFE		**	2-8	\$18,600

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**E. 12TH STREET BRIDGE**  
**Asset # : 13571**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Sidewalks								
Concrete	100%	4+	\$13,200	2034	**	5	\$2,200	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Wearing Surface								
Concrete	100%			2038	**	5	\$69,100	
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$37,900	
Joints								
Generic	85%	4+	\$31,800	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : At Joint Rubber Seal</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Concrete Headers</i>								
Generic	15%			LIFE	**			
Primary Member								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Blocked By Bridge Painting Scaffolding</i>								
Secondary Member								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Blocked By Bridge Painting Scaffolding</i>								

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

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : E. 165TH ST. BRIDGE / METRO-NORTH RR  
**Address** : E. 165TH ST  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0166.000 / 13574 **Yr Built/Renovated** : 1897 /  
**Area Sq Ft** : 16,400 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 22-Dec-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2241630

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$906,400	
<b>Total</b>	<b>\$906,400</b>	
Importance Code C	\$906,400	
<b>Total</b>	<b>\$906,400</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$67,900		\$5,300	
<b>Total</b>	<b>\$67,900</b>		<b>\$5,300</b>	
Importance Code A	\$11,900		\$5,300	
Importance Code C	\$56,000			
<b>Total</b>	<b>\$67,900</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**E. 165TH ST. BRIDGE / METRO-NORTH RR**  
**Asset # : 13574**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE	**			
Masonry: Stone	100%			LIFE	**			
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	70%	0-2	\$40,400	2030	**	4	\$45,500	
			<i>Cracks, Extent : Moderate, Area Affected : 35%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
Asphalt	30%			2023	\$866,000	4	\$68,300	
Concrete	100%			2038	**	4		
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE	**			
			<i>Rust Stains, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Throughout</i>					
<b>Median</b>								
Concrete	100%			LIFE	**	5		
<b>Sidewalks</b>								
Concrete	100%	4+	\$14,800	LIFE	**			
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
<b>Piers</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.



Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : EAST 144TH STREET BRIDGE E. 144TH ST./METRO NORTH RR HAR  
**Address** : EAST 144TH STREET  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0184.000 / 13718 **Yr Built/Renovated** : 1920 /  
**Area Sq Ft** : 8,290 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 31-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241550

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$38,800			
<b>Total</b>	<b>\$38,800</b>			
Importance Code B	\$12,500			
Importance Code C	\$26,400			
<b>Total</b>	<b>\$38,800</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 144TH STREET BRIDGE E. 144TH ST./METRO NORTH RR HAR**  
**Asset # : 13718**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$12,500	LIFE		**		
<i>Loose Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Abutment</i>								
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Concrete	100%			LIFE		**		
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 50 Percent Of The Wall Is Not Accessible</i>								
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Masonry	100%	4+	\$4,400	LIFE		**		
<i>Missing Bricks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 20%</i>								
<i>Location : West Side South Wingwall</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 75 Percent Masonry Stone - 25 Percent Concrete Cribbing</i>								
Masonry: Stone	100%	4+	\$2,900	LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Both Sides West Wingwalls And North Side East Wingwall</i>								
<i>Explanation : Loose/ Eroded Joints</i>								
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Pier Protection								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 144TH STREET BRIDGE E. 144TH ST./METRO NORTH RR HAR**  
**Asset # : 13718**

Bridge Structure		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>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%	2-4	\$9,100	2029	\$30,500	4	\$800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Both Approaches</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Approach</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Approaches</i>								
<i>Explanation : 50 Percent Asphalt And 50 Percent Concrete</i>								
Concrete	100%	4+	\$4,700	2037	**	4	\$3,100	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Approach</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Embankment</b>								
Earth	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Beginning at Right Side</i>								
<i>Explanation : Begin Right Wingwall Is Earth And Concrete Cribbing</i>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Railings/Parapets</b>								
Steel	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Sidewalks</b>								
Concrete	100%			LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Piers</b>								
<b>Cap Beam</b>								
Not Accessible	100%							
<b>Pier,Columns</b>								
Not Accessible	100%							
<b>Stem,Solid Pier</b>								
Not Accessible	100%							
<b>Brngs,Ancr Blts,Pads</b>								
Not Accessible	100%							
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 144TH STREET BRIDGE E. 144TH ST./METRO NORTH RR HAR**  
**Asset # : 13718**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers								
Pedestals								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
			<i>Rust Stains, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Mono Deck Surface								
Concrete	100%			2048	**	5		
Railings/Parapets								
Concrete	100%			2037	**	4		
			<i>Corrosion, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Both Sides</i>					
			<i>Explanation : Chainlink Fence On Top Of Concrete Parapet</i>					
Sidewalks								
Concrete	100%	4+	\$5,200	2033	**	5	\$3,500	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
Superstructure								
Deck, Structural								
Not Accessible	100%							
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : EAST 149TH STREET BRIDGE  
**Address** : EAST 149TH STREET / AMTRAK RAILS  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0179.000 / 13713 **Yr Built/Renovated** : 1907 / 1981  
**Area Sq Ft** : 12,575 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 23-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241129

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$40,000	\$446,000
<b>Total</b>	<b>\$40,000</b>	<b>\$446,000</b>
Importance Code A	\$40,000	\$248,900
Importance Code B		\$124,500
Importance Code C		\$72,600
<b>Total</b>	<b>\$40,000</b>	<b>\$446,000</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$71,300	\$1,300	\$37,800	
<b>Total</b>	<b>\$71,300</b>	<b>\$1,300</b>	<b>\$37,800</b>	
Importance Code A	\$4,900	\$1,300	\$25,300	
Importance Code B	\$9,000		\$12,500	
Importance Code C	\$57,300			
<b>Total</b>	<b>\$71,300</b>	<b>\$1,300</b>	<b>\$37,800</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 149TH STREET BRIDGE**  
**Asset # : 13713**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Not Accessible	100%							
Backwall Not Accessible	100%							
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Joint with Deck Generic	100%	4+	\$9,000	LIFE			* *	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Loose Elements</i>								
Mat (scour & erosion) Earth	100%			LIFE			* *	
Pedestals Not Accessible	100%							
Stem (breastwall) Not Accessible	100%							
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE			* *	
Piles Not Accessible	100%							
Walls Concrete	100%			LIFE			* *	
Feature Crossed								
Mat (scour & erosion) Generic	100%			LIFE			* *	
Approaches								
Pavement								
Asphalt	100%	4+	\$7,300	2029	\$72,600	4	\$1,500	
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Both Abutments</i>								
<i>Settlement, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout And Most Severe At North Abutment</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Abutments</i>								
<i>Explanation : Consists Of 50 Percent Asphalt And 50 Percent Concrete</i>								
Concrete	100%	2-4	\$11,300	2037		4	\$5,800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Adjacent To Joints At West Abutment And Random Locations At South Abutment</i>								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 149TH STREET BRIDGE**  
**Asset # : 13713**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Embankment								
Earth	100%			LIFE		**		
Guide Railing								
Concrete	80%	4+	\$1,500	2037		**	4	\$2,600
<i>Cracks, Extent : Light, Area Affected : 4%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	20%			2037		**	4	\$3,900
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Median								
Concrete	100%			LIFE		**	5	
Railings/Parapets								
Steel	100%			LIFE		**		
Sidewalks								
Concrete	75%	4+	\$6,900	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	10%	4+	\$5,500	LIFE		**		
<i>Settlement, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	15%	0-2	\$8,300	LIFE		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : More Severe At North Approach West Side</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : East And West Sides</i>								
<i>Explanation : Steel Fascia With Corrugated Steel Siding For Railroad Protection</i>								
Piers								
Stem,Solid Pier								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Pedestals								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 149TH STREET BRIDGE**  
**Asset # : 13713**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers								
Piles								
Not Accessible	100%							
Deck Elements								
Median								
Concrete	100%	4+	\$3,400	LIFE	**	5	\$2,600	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Mono Deck Surface								
Concrete	100%	4+	\$5,600	2048	**	5	\$33,400	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$9,900	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Sides</i>								
<i>Explanation : Steel Fascia With Steel Railing And Cladding On Top</i>								
Sidewalks								
Concrete	90%	4+	\$9,700	2033	**	5	\$5,800	
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Adjacent To Concrete Barrier Wall</i>								
<i>Explanation : Water Ponding</i>								
Concrete	10%	4+	\$2,700	2033	**	5	\$5,800	
<i>Cracks, Extent : Light, Area Affected : 80%</i>								
<i>Location : Both Sides</i>								
Superstructure								
Deck, Structural								
Not Accessible	100%							
Joints								
Not Accessible	100%							
Primary Member								
Steel	98%			LIFE	**	2-8	\$232,500	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Steel	2%	4+	\$40,000	LIFE	**	2-8	\$232,500	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Impact Damage</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$194,700	

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : EAST 149TH STREET/JACKSON AVE CONRAIL PORT MORRIS  
**Address** : JACKSON,MARYS,ANNS,150TH STS  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0053.000 / 2479 **Yr Built/Renovated** : 1905 /  
**Area Sq Ft** : 65,000 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 22-Nov-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241050

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$96,600	
<b>Total</b>	<b>\$96,600</b>	
Importance Code C	\$96,600	
<b>Total</b>	<b>\$96,600</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$52,300		\$13,500	
<b>Total</b>	<b>\$52,300</b>		<b>\$13,500</b>	
Importance Code A	\$15,200		\$2,100	
Importance Code C	\$37,100		\$11,400	
<b>Total</b>	<b>\$52,300</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 149TH STREET/JACKSON AVE CONRAIL PORT MORRIS**

**Asset # : 2479**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Feature Crossed</b>								
Bank Protection								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	50%			2030	**	4	\$22,800	
Asphalt	50%	4+	\$36,200	2030	**	4	\$22,800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Uneven Asphalt Surface</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$12,100	LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Embankment</b>								
Generic	100%			LIFE	**			
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 149TH STREET/JACKSON AVE CONRAIL PORT MORRIS**

**Asset # : 2479**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Sidewalks								
Concrete	100%	4+	\$60,400	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%	4+	\$3,200	LIFE		**		
<i>Corrosion, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Concrete	100%			2038		**	4	\$4,200
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : North Side Of Deck</i>								
<i>Explanation : Concrete Parapet</i>								
Sidewalks								
Concrete	100%	4+	\$11,100	2034		**	5	\$4,500
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Wearing Surface								
Concrete	100%	4+	\$26,000	2038		**	5	\$17,100
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Along Both Sides Of Approach Joints</i>								
<i>Delaminations, Extent : Light, Area Affected : 2%</i>								
<i>Location : Along Both Sides Of Approach Joints</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Along Both Sides Of Approach Joints</i>								
Superstructure								
Deck, Structural								
Not Accessible	100%							
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : EAST 170 ST. BRIDGE GRAND CONCOURSE/EAST 170TH ST  
**Address** : GRAND CONCOURSE  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0063.000 / 2488 **Yr Built/Renovated** : 1923 /  
**Area Sq Ft** : 35,917 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 20-Aug-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2242300

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$918,000	\$2,147,900
<b>Total</b>	<b>\$918,000</b>	<b>\$2,147,900</b>
Importance Code A	\$133,300	\$220,500
Importance Code B	\$784,600	\$682,300
Importance Code C		\$1,245,100
<b>Total</b>	<b>\$918,000</b>	<b>\$2,147,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$62,000		\$72,100	\$16,500
<b>Total</b>	<b>\$62,000</b>		<b>\$72,100</b>	<b>\$16,500</b>
Importance Code A			\$100	
Importance Code B	\$3,200		\$68,400	
Importance Code C	\$58,800		\$3,600	\$16,500
<b>Total</b>	<b>\$62,000</b>		<b>\$72,100</b>	<b>\$16,500</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 170 ST. BRIDGE GRAND CONCOURSE/EAST 170TH ST**  
**Asset # : 2488**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Backwall								
Concrete	100%			LIFE		**		
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%	4+	\$3,200	LIFE		**		
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Pothole At Eastern Exit Of Tunnel</i>					
Stem (breastwall)								
Concrete	100%	4+	\$141,700	LIFE		**		
			<i>Efflorescence, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Spalling At Interface With Pedestals, Water Infiltration At One Spall In South Abutment</i>					
Steel	100%			LIFE		**		
			<i>Other Observation, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Rust Stains</i>					
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE		**		
			<i>Other Observation, Extent : Light, Area Affected : 75%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Peeling Paint</i>					
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Approaches								
Pavement								
Asphalt	70%			2028	\$638,000	4	\$24,500	
Asphalt	30%	4+	\$27,300	2028	\$273,400	4	\$16,300	
			<i>Cracks, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Settlement, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
Curbs								
Concrete w/ Steel Face	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 170 ST. BRIDGE GRAND CONCOURSE/EAST 170TH ST**  
**Asset # : 2488**

Bridge Structure		Current 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>Approaches</b>								
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	20%	4+	\$16,000	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	80%			LIFE	**			
<b>Piers</b>								
Pier,Columns								
Steel	80%			LIFE	**	2-8	\$982,300	
Steel	20%	4+	\$642,900	LIFE	**	2-8	\$982,300	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Pitting Throughout</i>								
Stem,Solid Pier								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Wall Between Columns At Bottom</i>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Piles								
Not Accessible	100%							
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Gratings								
Steel	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**	5	\$16,900	
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Chain Link Fence And Box Beam Railing</i>								
Sidewalks								
Concrete	80%			2032	**	5	\$7,200	
Concrete	20%	4+	\$3,900	2032	**	5	\$3,600	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout, Large Crack At Sidewalk Over Eastern End Of Tunnel</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 170 ST. BRIDGE GRAND CONCOURSE/EAST 170TH ST**  
**Asset # : 2488**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Wearing Surface								
Asphalt	90%			2028	\$300,300	5	\$33,000	
Asphalt	10%	4+	\$3,300	2028	\$33,400	5	\$16,500	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : West Side</i>								
<i>Explanation : Plants And Garden</i>								
Superstructure								
Deck,Structural								
Concrete	100%	4+	\$133,300	LIFE	**	5	\$39,500	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Cracks With Efflorescence At Deck Supporting Subway</i>								
<i>Efflorescence, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Underside Of Deck</i>								
<i>Explanation : Peeling Paint</i>								
Primary Member								
Concrete Encased Steel	100%			LIFE	**	5	\$181,000	

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : EAST 174TH STREET/AMTRAK BRIDGE SHERIDAN EXPRESSWAY I895/AMTRAK  
**Address** : E. 174ST, BRONX RIVER, I895  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0005.000 / 2440 **Yr Built/Renovated** : 1909 /  
**Area Sq Ft** : 46,200 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 22-Nov-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2066720

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$1,554,600	\$1,584,900
<b>Total</b>	<b>\$1,554,600</b>	<b>\$1,584,900</b>
Importance Code A	\$610,200	\$559,000
Importance Code B	\$843,500	\$944,200
Importance Code C	\$100,900	\$81,700
<b>Total</b>	<b>\$1,554,600</b>	<b>\$1,584,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$452,400		\$145,500	
<b>Total</b>	<b>\$452,400</b>		<b>\$145,500</b>	
Importance Code A	\$254,800		\$50,300	
Importance Code B	\$151,000		\$94,700	
Importance Code C	\$46,600		\$500	
<b>Total</b>	<b>\$452,400</b>		<b>\$145,500</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 174TH STREET/AMTRAK BRIDGE SHERIDAN EXPRESSWAY I895/AMTRAK**  
**Asset # : 2440**

Bridge Structure		Current 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>Abutments</b>								
<b>Bridge Seat&amp;pedestals</b>								
Concrete	25%			LIFE		**		
Concrete	34%	4+	\$9,100	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations On Bridge Seat</i>								
Concrete	41%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : East Abutment</i>								
<i>Explanation : Not Accessible</i>								
<b>Backwall</b>								
Concrete	11%	4+	\$8,500	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : West Abutment</i>								
Concrete	39%			LIFE		**		
Concrete	50%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : East Abutment</i>								
<i>Explanation : Not Accessible</i>								
<b>Brngs,Ancr Blts,Pads</b>								
Steel	50%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : East Abutment</i>								
<i>Explanation : Not Accessible</i>								
Steel	50%			LIFE		**		
<b>Footings</b>								
Not Accessible	100%							
<b>Joint with Deck</b>								
Generic	100%	4+	\$23,700	LIFE		**		
<i>Loose Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : West Abutment</i>								
<b>Mat (scour &amp; erosion)</b>								
Earth	50%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : East Abutment</i>								
<i>Explanation : Not Accessible</i>								
Earth	50%			LIFE		**		
<b>Pedestals</b>								
No Component	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : East Abutment</i>								
<i>Explanation : Not Accessible</i>								
No Component	50%							

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 174TH STREET/AMTRAK BRIDGE SHERIDAN EXPRESSWAY I895/AMTRAK**  
**Asset # : 2440**

Bridge Structure		Current 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>Abutments</b>								
Stem (breastwall)								
Concrete	50%			LIFE		**		
		<i>Other Observation, Extent : Light, Area Affected : 50%</i>						
		<i>Location : East Abutment</i>						
		<i>Explanation : Not Accessible</i>						
Concrete	50%			LIFE		**		
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Feature Crossed</b>								
Bank Protection								
Riprap	100%			LIFE		**		
		<i>Other Observation, Extent : Light, Area Affected : 50%</i>						
		<i>Location : River Banks</i>						
		<i>Explanation : East Bank Has Riprap, West Bank Is Earth</i>						
Mat (scour & erosion)								
Generic	100%			LIFE		**		
<b>Approaches</b>								
Pavement								
Asphalt	70%			2030		**	4	\$1,000
Asphalt	30%	4+	\$12,700	2030		**	4	\$1,000
		<i>Cracks, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : At East Approach</i>						
		<i>Explanation : Rutting</i>						
Concrete	100%	4+	\$9,200	2038		**	4	\$15,400
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations Throughout</i>						
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE		**		
		<i>Rust Stains, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Random Locations Throughout</i>						
Embankment								
Earth	100%			LIFE		**		
Mat (scour & erosion)								
Earth	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 174TH STREET/AMTRAK BRIDGE SHERIDAN EXPRESSWAY I895/AMTRAK**  
**Asset # : 2440**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Median								
Concrete	100%	4+	\$8,500	LIFE	**	5	\$900	
	<i>Cracks, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Random Locations Throughout</i>							
Railings/Parapets								
Concrete	100%			2038	**	4		
Steel	100%			LIFE	**			
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Steel Wall Panel 230 Feet, And Chain Link Fence With 4-steel Rails On East Approach</i>							
Sidewalks								
Concrete	55%	4+	\$5,000	LIFE	**			
	<i>Cracks, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Settlement, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
Concrete	45%			LIFE	**			
Piers								
Cap Beam								
Concrete	100%	4+	\$21,300	LIFE	**			
	<i>Cracks, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Spalling, Extent : Moderate, Area Affected : 2%</i>							
	<i>Location : Random Locations Throughout</i>							
Pier,Columns								
Concrete	100%	4+	\$143,700	LIFE	**			
	<i>Cracks, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Loss of Section, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Coping At Top Of Pier 3</i>							
	<i>Spalling, Extent : Moderate, Area Affected : 2%</i>							
	<i>Location : Random Locations Throughout</i>							
Steel	100%			LIFE	**	2-8	\$140,100	
Stem,Solid Pier								
Concrete	100%	4+	\$212,800	LIFE	**			
	<i>Rust Stains, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Explanation : Spall With Exposed Rebar</i>							

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 174TH STREET/AMTRAK BRIDGE SHERIDAN EXPRESSWAY I895/AMTRAK**  
**Asset # : 2440**

Bridge Structure		Current 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>Piers</b>								
Brngs,Ancr Blts,Pads								
Steel	50%			LIFE	**	2-8	\$10,000	
Steel	50%			LIFE	**	2-8	\$10,000	
		<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location :</i>						
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%	4+	\$1,700	LIFE	**			
		<i>Erosion, Extent : Moderate, Area Affected : 2%</i>						
		<i>Location : Near Pier 6</i>						
<b>Pedestals</b>								
Concrete	80%			LIFE	**			
Concrete	20%	4+	\$9,200	LIFE	**			
		<i>Cracks, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Piers 5 And 6, Temporary Shoring At Pier 5</i>						
		<i>Loss of Section, Extent : Severe, Area Affected : 30%</i>						
		<i>Location : Piers 5 And 6, Temporary Shoring Installed</i>						
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE	**			
		<i>Rust Stains, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Spalling, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Random Locations Throughout</i>						
<b>Guide Railing</b>								
Steel	100%			LIFE	**			
		<i>Loose Fastenings, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Midspan South Sidewalk</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : At Both Sides Of The Truss Bridge</i>						
		<i>Explanation : Corrugated Guide Rail With 3-pipe Railing</i>						
<b>Median</b>								
Concrete	100%	4+	\$33,200	LIFE	**	5	\$16,800	
		<i>Cracks, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Spalling, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Random Locations Throughout</i>						
<b>Railings/Parapets</b>								
Concrete	100%			2038	**	4	\$5,600	
Steel	100%			LIFE	**	2-8	\$52,900	
		<i>Rust Stains, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Throughout</i>						

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 174TH STREET/AMTRAK BRIDGE SHERIDAN EXPRESSWAY I895/AMTRAK**  
**Asset # : 2440**

Bridge Structure		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Deck Elements									
Sidewalks									
Concrete	90%			2034	**	5	\$30,600		
Concrete	10%	4+	\$43,500	2034	**	5	\$15,300		
<i>Cracks, Extent : Light, Area Affected : 25%</i>									
<i>Location : Random Locations Throughout</i>									
Wearing Surface									
Concrete	100%	4+	\$57,500	2038	**	5	\$81,700		
<i>Cracks, Extent : Light, Area Affected : 5%</i>									
<i>Location : Random Locations Throughout</i>									
<i>Spalling, Extent : Light, Area Affected : 1%</i>									
<i>Location : Random Locations Throughout</i>									
Scupper									
Cast Iron	100%			LIFE	**				
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Throughout Along The Curb</i>									
<i>Explanation : Total Of 8 Scuppers</i>									
Superstructure									
Deck, Structural									
Concrete	85%			LIFE	**	5	\$101,700		
Concrete	15%	4+	\$102,100	LIFE	**	5	\$50,800		
<i>Cracks, Extent : Light, Area Affected : 25%</i>									
<i>Location : Throughout, Concentrated At Piers 3 And 5</i>									
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Random Locations Throughout</i>									
<i>Spalling, Extent : Light, Area Affected : 25%</i>									
<i>Location : Throughout, Concentrated At Piers 3 And 5</i>									
Joints									
Generic	80%			LIFE	**				
Generic	20%	4+	\$11,200	LIFE	**				
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>									
<i>Location : Random Locations Throughout</i>									
<i>Loose Elements, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : At Span 4</i>									
Primary Member									
Steel	100%			LIFE	**	2-8	\$1,463,900		
<i>Other Observation, Extent : Light, Area Affected : 2%</i>									
<i>Location : Random Locations Throughout</i>									
<i>Explanation : Paint Peeling</i>									
Secondary Member									
Steel	99%			LIFE	**	2-8	\$1,256,000		
Steel	1%	4+	\$9,900	LIFE	**	2-8	\$715,500		
<i>Loss of Section, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : At Span 6</i>									
<i>Other Observation, Extent : Light, Area Affected : 100%</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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : EAST TREMONT AVENUE BRIDGE EAST TREMONT AVE./AMTRAK  
**Address** : OVER AMTRAK AT EAST TREMONT AVE / E. 180TH ST.  
**Borough** : BRONX Agency's Number : N/A  
**Program / Asset #** : DOT0155.000 / 13518 Yr Built/Renovated : 1907 /  
**Area Sq Ft** : 22,300 Project Type : HIGHWAY BRIDGES  
**Date of Survey** : 31-Aug-2016 Landmark Status : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2241270

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$165,500	\$727,100
<b>Total</b>	<b>\$165,500</b>	<b>\$727,100</b>
Importance Code A		\$264,200
Importance Code B	\$92,500	\$39,300
Importance Code C	\$73,000	\$423,600
<b>Total</b>	<b>\$165,500</b>	<b>\$727,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$108,400	\$3,900	\$26,300	
<b>Total</b>	<b>\$108,400</b>	<b>\$3,900</b>	<b>\$26,300</b>	
Importance Code A	\$18,900	\$300	\$22,300	
Importance Code B	\$22,600		\$3,900	
Importance Code C	\$66,800	\$3,600		
<b>Total</b>	<b>\$108,400</b>	<b>\$3,900</b>	<b>\$26,300</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST TREMONT AVENUE BRIDGE EAST TREMONT AVE./AMTRAK**  
**Asset # : 13518**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE		**		
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$22,600	LIFE		**		
			<i>Missing/Damaged Seal, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Both Approaches</i>					
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Pedestals								
Concrete	100%			LIFE		**		
Stem (breastwall)								
Concrete	12%	4+	\$92,500	LIFE		**		
			<i>Cracks, Extent : Moderate, Area Affected : 40%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	88%			LIFE		**		
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Concrete	100%	4+	\$12,900	LIFE		**		
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Masonry	80%	4+	\$8,500	LIFE		**		
			<i>Joint Motar Miss/Erod, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : East Abutment North Wingwall</i>					
			<i>Explanation : One Wingwall Is Masonry And Lies Adjacent To Buildings; The Other Three Wingwalls Are Concrete.</i>					
Masonry	20%			LIFE		**		
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Pier Protection								
Concrete	100%			LIFE		**		
Approaches								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST TREMONT AVENUE BRIDGE EAST TREMONT AVE./AMTRAK**  
**Asset # : 13518**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Pavement								
Asphalt	85%	4+	\$11,800	2029	\$236,000	4	\$7,300	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout All Approaches</i>								
<i>Settlement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Begin And End Approaches</i>								
<i>Explanation : Approach Pavement Is 15 Percent Concrete And 85 Percent Asphalt</i>								
Asphalt	15%			2029	\$41,600	4	\$10,900	
Concrete	100%	4+	\$8,600	2037	**	4	\$11,100	
<i>Cracks, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Both Joint Headers</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Embankment								
Earth	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Median								
Concrete	80%	4+	\$10,600	LIFE	**	5	\$2,600	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	20%			LIFE	**	5	\$2,600	
Sidewalks								
Concrete	60%	4+	\$5,200	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	40%			LIFE	**			
Piers								
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$113,200	
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST TREMONT AVENUE BRIDGE EAST TREMONT AVE./AMTRAK**  
**Asset # : 13518**

Bridge Structure		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>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE		**		
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
<b>Median</b>								
Concrete	85%			LIFE		**	5	\$21,700
Concrete	15%	4+	\$8,300	LIFE		**	5	\$21,700
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Railings/Parapets</b>								
Concrete	100%			2037		**	4	\$800
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Concrete Parapet</i>								
Steel	100%			LIFE		**	2-8	\$4,800
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Steel Railing</i>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$7,800	2033		**	5	\$5,300
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Wearing Surface</b>								
Concrete	18%	4+	\$12,100	2037		**	5	\$73,000
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Along Armored Joint Along East And West Abutments</i>								
Concrete	82%			2037		**	5	\$146,000
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Not Accessible	100%							
<b>Primary Member</b>								
Steel	100%			LIFE		**	2-8	\$412,300
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Secondary Member</b>								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ERSKINE STREET BELT PARKWAY  
**Address** : ERSKINE STREET OVER BELT PARKWAY  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0226.000 / 14961 **Yr Built/Renovated** : 2000 /  
**Area Sq Ft** : 8,258 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 05-Mar-2018 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2269600

**CAPITAL**

**Total**  
 Importance Code

**Total**

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$3,300		\$10,700	\$21,000
<b>Total</b>	<b>\$3,300</b>		<b>\$10,700</b>	<b>\$21,000</b>
Importance Code A	\$3,300		\$1,100	
Importance Code C			\$9,700	\$21,000
<b>Total</b>	<b>\$3,300</b>		<b>\$10,700</b>	<b>\$21,000</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**ERSKINE STREET BELT PARKWAY**  
**Asset # : 14961**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%			LIFE	**			
Backwall Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads Elastomeric	100%			2049	**			
Footings Not Accessible	100%							
Joint with Deck Generic	100%			LIFE	**			
Mat (scour & erosion) Earth	100%			LIFE	**			
Pedestals Concrete	100%			LIFE	**			
Stem (breastwall) Concrete	100%			LIFE	**			
		<i>Cracks, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Random Locations Throughout</i>						
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	**			
Piles Not Accessible	100%							
Walls Concrete	100%			LIFE	**			
		<i>Cracks, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Random Locations Throughout</i>						
Feature Crossed								
Mat (scour & erosion) Asphalt	100%			LIFE	**			
Approaches								
Pavement Concrete	100%			2038	**	4	\$19,300	
Curbs Concrete w/ Steel Face	100%			LIFE	**			
Embankment Earth	100%			LIFE	**			
Mat (scour & erosion) Not Accessible	100%							
Pavement Base Not Accessible	100%							
Railings/Parapets Concrete	100%			2038	**	4	\$1,700	
Steel	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**ERSKINE STREET BELT PARKWAY**  
**Asset # : 14961**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Sidewalks								
Concrete	100%			LIFE	**			
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$8,600	
Sidewalks								
Concrete	100%			2034	**	5	\$1,500	
Wearing Surface								
Concrete	100%			2038	**	5	\$42,000	
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Covered By Stay In Place Forms</i>						
Primary Member								
Steel	100%			LIFE	**	2-8		
		<i>Corrosion, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Random Locations Throughout Bottom Flange</i>						
Secondary Member								
Steel	100%			LIFE	**	2-8		

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FDR NB RAMP/SOUTH ST  
**Address** : OFF RAMP @PACK SLIP  
**Borough** : MANHATTAN  
**Program / Asset #** : DOT0027.0A0 / 4323  
**Area Sq Ft** : 102,200  
**Date of Survey** : 26-Aug-2015  
**Areas Surveyed** :  
**Block** : Lot : BIN : 223201A  
**Agency's Number** : N/A  
**Yr Built/Renovated** : 1954 /  
**Project Type** : HIGHWAY BRIDGES  
**Landmark Status** : NONE

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$339,400	\$3,293,500
<b>Total</b>	<b>\$339,400</b>	<b>\$3,293,500</b>
Importance Code A	\$288,000	\$1,538,600
Importance Code B	\$51,300	\$1,169,900
Importance Code C		\$585,100
<b>Total</b>	<b>\$339,400</b>	<b>\$3,293,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$17,200		\$268,000	\$16,400
<b>Total</b>	<b>\$17,200</b>		<b>\$268,000</b>	<b>\$16,400</b>
Importance Code A	\$2,500		\$150,700	
Importance Code B			\$117,300	
Importance Code C	\$14,700			\$16,400
<b>Total</b>	<b>\$17,200</b>		<b>\$268,000</b>	<b>\$16,400</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FDR NB RAMP/SOUTH ST**  
**Asset # : 4323**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : End Abutment Is Within Contractor Staging Area</i>								
<i>Explanation : Under Construction,</i>								
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : End Abutment</i>								
<i>Explanation : Under Construction</i>								
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Under Construction</i>								
Walls								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Under Construction</i>								
Wingwalls								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Under Construction</i>								
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Approaches								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**FDR NB RAMP/SOUTH ST**  
**Asset # : 4323**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Pavement								
Asphalt	60%			2028	\$101,500	4	\$3,600	
Asphalt	40%	2-4	\$13,500	2028	\$67,700	4	\$2,400	
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Minor Spalls With Deteriorated Surface (End Approach)</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Surface Of End Approach</i>								
<i>Explanation : Rutting</i>								
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2036	**	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Under Construction</i>								
Piers								
Cap Beam								
Concrete	75%			LIFE	**			
Concrete	25%	4+	\$288,000	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Delaminations, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Steel	100%			LIFE	**	2-8	\$1,135,000	
Pier,Columns								
Concrete	80%			LIFE	**			
Concrete	20%	4+	\$51,300	LIFE	**			
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cracks And Spalling Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Spalls With And Without Exposed Reinforcement Are Covered With Steel Mesh</i>								
Steel	100%			LIFE	**	2-8	\$455,900	
Stem,Solid Pier								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Under Construction</i>								
Brngs,Ancr Blts,Pads								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FDR NB RAMP/SOUTH ST**  
**Asset # : 4323**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Under Construction	100%							
Piles								
Not Accessible	100%							
Deck Elements								
Railings/Parapets								
Concrete	100%			2036	**	4	\$7,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Under Construction</i>						
Wearing Surface								
Asphalt	100%			2028	\$415,900	5	\$32,900	
Scupper								
Cast Iron	100%			LIFE	**			
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$36,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Stay In Place Form Is Observed Under Deck</i>						
Joints								
Generic	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8	\$1,889,300	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$1,582,700	

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FDR SB RAMP/SOUTH ST  
**Address** : DOVER AND SOUTH STREETS  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0027.0B0 / 4324 **Yr Built/Renovated** : 1954 /  
**Area Sq Ft** : 44,600 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 26-Aug-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 223201B

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$886,600	\$2,856,600
<b>Total</b>	<b>\$886,600</b>	<b>\$2,856,600</b>
Importance Code A	\$759,500	\$1,802,600
Importance Code B	\$127,100	\$679,000
Importance Code C		\$375,100
<b>Total</b>	<b>\$886,600</b>	<b>\$2,856,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$70,600		\$240,800	\$9,700
<b>Total</b>	<b>\$70,600</b>		<b>\$240,800</b>	<b>\$9,700</b>
Importance Code A	\$14,400		\$172,700	
Importance Code B	\$31,600		\$68,100	
Importance Code C	\$24,600			\$9,700
<b>Total</b>	<b>\$70,600</b>		<b>\$240,800</b>	<b>\$9,700</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FDR SB RAMP/SOUTH ST**  
**Asset # : 4324**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%	4+	\$3,800	LIFE		**		
<i>Delaminations, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE		**		
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Concrete	100%	4+	\$9,900	LIFE		**		
<i>Delaminations, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : End Abutment Is Within Contractor Staging Area</i>								
<i>Explanation : Under Construction</i>								
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Concrete	100%	4+	\$4,000	LIFE		**		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Granite	100%			LIFE		**		
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE		**		

## Approaches

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**FDR SB RAMP/SOUTH ST**  
**Asset # : 4324**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Pavement								
Asphalt	90%			2028	\$138,000	4	\$3,600	
Asphalt	10%	2-4	\$6,100	2028	\$15,300	4	\$2,400	
<i>Cracks, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2036	**	4		
Granite	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : End Approach</i>								
<i>Explanation : Covered By Construction Fence</i>								
Piers								
Cap Beam								
Steel	90%			LIFE	**	2-8	\$961,100	
Steel	10%	4+	\$66,400	LIFE	**	2-8	\$961,100	
<i>Loss of Section, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Pier, Columns								
Steel	90%			LIFE	**	2-8	\$342,000	
Steel	10%	4+	\$127,100	LIFE	**	2-8	\$342,000	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Stem, Solid Pier								
Concrete	100%	4+	\$18,100	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Brngs, Ancr Blts, Pads								
Steel	100%			LIFE	**	2-8	\$5,000	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Steel	100%			LIFE	**			
Piles								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FDR SB RAMP/SOUTH ST**  
**Asset # : 4324**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Railings/Parapets								
Concrete	100%			2036	**	4		
Granite	100%			LIFE	**			
Steel	100%	4+	\$10,600	LIFE	**	2-8	\$17,000	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Wearing Surface								
Asphalt	80%			2028	\$177,400	5	\$19,300	
Asphalt	20%	2-4	\$13,300	2028	\$44,400	5	\$9,700	
<i>Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
Scupper								
Cast Iron	100%			LIFE	**			
Superstructure								
Deck,Structural								
Concrete	60%			LIFE	**	5	\$22,600	
Concrete	40%	2-4	\$308,000	LIFE	**	5	\$22,600	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Delaminations, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Honeycombing</i>								
Joints								
Generic	100%			LIFE	**			

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**FDR SB RAMP/SOUTH ST**  
**Asset # : 4324**

Bridge Structure		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>Superstructure</b>								
<b>Primary Member</b>								
Concrete	70%			LIFE	**	5	\$21,600	
Concrete	30%	0-2	\$290,800	LIFE	**	5	\$21,600	
<i>Cracks, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Random Locations At Spans 9-10</i>								
<i>Efflorescence, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Random Locations At Spans 9-10</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations At Spans 9-10</i>								
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations At Spans 9-10</i>								
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Random Locations At Spans 9-10</i>								
<i>Explanation : Stalactite, Map Cracks With Wet Stains And Scaling</i>								
Steel	95%			LIFE	**	2-8	\$824,500	
Steel	5%	4+	\$94,300	LIFE	**	2-8	\$824,500	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling And Temporary Support Near Pier 6</i>								
<b>Secondary Member</b>								
Steel	100%	4+	\$3,600	LIFE	**	2-8	\$690,700	
<i>Corrosion, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Span 6, End Diaphragm Of Bays 1 And 3 At Pier 6</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling</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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FDR SB VIADUCT (62ND ST) BRIDGE FDR DR/62ND STREET  
**Address** : 62ND ST.  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0033.080 / 4208 **Yr Built/Renovated** : 1941 / 2006  
**Area Sq Ft** : 70,113 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 28-Aug-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2233038

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$899,200	\$2,321,500
<b>Total</b>	<b>\$899,200</b>	<b>\$2,321,500</b>
Importance Code A	\$899,200	\$1,387,900
Importance Code B		\$694,000
Importance Code C		\$239,700
<b>Total</b>	<b>\$899,200</b>	<b>\$2,321,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$24,000	\$29,400	\$208,800	
<b>Total</b>	<b>\$24,000</b>	<b>\$29,400</b>	<b>\$208,800</b>	
Importance Code A			\$139,200	
Importance Code B			\$69,600	
Importance Code C	\$24,000	\$29,400		
<b>Total</b>	<b>\$24,000</b>	<b>\$29,400</b>	<b>\$208,800</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**FDR SB VIADUCT (62ND ST) BRIDGE FDR DR/62ND STREET**  
**Asset # : 4208**

Bridge Structure		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>Abutments</b>								
Bridge Seat&pedestals Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : The Condition Of The Component Is Recorded Per NYS Inspection Report.</i>								
<hr/>								
Backwall Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Component Is Recorded Per NYS Inspection Report.</i>								
<hr/>								
Brngs,Ancr Blts,Pads Elastomeric	100%			2047		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Component Is Recorded Per NYS Inspection Report.</i>								
<hr/>								
Footings Not Accessible	100%							
<hr/>								
Joint with Deck Not Accessible	100%							
<hr/>								
Mat (scour & erosion) Generic	100%			LIFE		**		
<hr/>								
Pedestals Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Component Is Recorded Per NYS Inspection Report.</i>								
<hr/>								
Stem (breastwall) Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Component Is Recorded Per NYS Inspection Report.</i>								
<hr/>								
<b>Wingwalls</b>								
Footings Not Accessible	100%							
<hr/>								
Mat (scour & erosion) Generic	100%			LIFE		**		
<hr/>								
Piles Not Accessible	100%							
<hr/>								
Walls Concrete	100%			LIFE		**		
<hr/>								
<b>Feature Crossed</b>								
Mat (scour & erosion) Generic	100%			LIFE		**		
<hr/>								
<b>Approaches</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FDR SB VIADUCT (62ND ST) BRIDGE FDR DR/62ND STREET**  
**Asset # : 4208**

Bridge Structure		Current 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>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%	4+	\$24,000	2028	\$239,700	4	\$4,300	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Concrete	100%			2036	**	4		
<b>Embankment</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Pavement Base</b>								
Not Accessible	100%							
<b>Railings/Parapets</b>								
Concrete	100%			2036	**	4		
<b>Piers</b>								
<b>Cap Beam</b>								
Concrete	100%			LIFE	**			
Steel	100%			LIFE	**	2-8		
<b>Pier,Columns</b>								
Concrete	100%			LIFE	**			
Concrete Encased Steel	100%			LIFE	**	5		
<b>Stem,Solid Pier</b>								
Concrete	100%			LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : At East Face Of Pier 33</i>								
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Generic	100%			LIFE	**			
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Railings/Parapets</b>								
Concrete	100%	4+	\$43,100	2036	**	4	\$9,700	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : At Joints Along Fascia</i>								
<b>Wearing Surface</b>								
Concrete	100%			2036	**	5	\$58,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Stay In Place Form Is Observed Underneath The Deck</i>								
<b>Scupper</b>								
Cast Iron	100%			LIFE	**			
<b>Superstructure</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FDR SB VIADUCT (62ND ST) BRIDGE FDR DR/62ND STREET**  
**Asset # : 4208**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Deck, Structural Concrete	100%			LIFE	**	5	\$11,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Stay In Place Form Is Observed</i>								
Joints								
Generic	100%			LIFE	**			
Primary Member								
Steel	10%	4+	\$856,100	LIFE	**	2-8	\$1,296,200	
<i>Corrosion, Extent : Light, Area Affected : 2%</i>								
<i>Location : Impact Marks With Rust Stains To Bottom Flange Of Girders In Span 34</i>								
Steel	90%			LIFE	**	2-8	\$1,296,200	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$1,085,800	

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FIRST AVE. TUNNEL UNITED NATIONS PL/FIRST AVE TUNL  
**Address** : 42ND ST  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0084.000 / 2513 **Yr Built/Renovated** : 1950 /  
**Area Sq Ft** : 92,200 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 02-Sep-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2246570

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$118,600	\$6,726,100
<b>Total</b>	<b>\$118,600</b>	<b>\$6,726,100</b>
Importance Code A		\$677,200
Importance Code C	\$118,600	\$6,048,900
<b>Total</b>	<b>\$118,600</b>	<b>\$6,726,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$56,100	\$34,800	\$1,200	
<b>Total</b>	<b>\$56,100</b>	<b>\$34,800</b>	<b>\$1,200</b>	
Importance Code A	\$23,800	\$10,700	\$1,200	
Importance Code B	\$15,300			
Importance Code C	\$17,100	\$24,200		
<b>Total</b>	<b>\$56,100</b>	<b>\$34,800</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**FIRST AVE. TUNNEL UNITED NATIONS PL/FIRST AVE TUNL**

**Asset # : 2513**

Bridge Structure		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Abutments									
Footings									
Not Accessible	100%								
Stem (breastwall)									
Concrete	100%			LIFE		**			
Tile	100%	4+	\$15,300	LIFE		**			
<i>Leakage, Extent : Light, Area Affected : 5%</i>									
<i>Location : Span 1 West Face</i>									
Wingwalls									
Footings									
Not Accessible	100%								
Mat (scour & erosion)									
Generic	100%			LIFE		**			
Piles									
Not Accessible	100%								
Walls									
Concrete	100%			LIFE		**			
Granite	100%			LIFE		**			
Feature Crossed									
Mat (scour & erosion)									
Generic	100%			LIFE		**			
Approaches									
Pavement									
Asphalt	95%			2029	\$4,894,700	4	\$72,500		
Asphalt	5%	4+	\$77,300	2029	\$257,600	4	\$48,300		
<i>Cracks, Extent : Light, Area Affected : 30%</i>									
<i>Location : Random Locations Throughout</i>									
<i>Settlement, Extent : Light, Area Affected : 50%</i>									
<i>Location : Random Locations Throughout</i>									
<i>Spalling, Extent : Light, Area Affected : 50%</i>									
<i>Location : Random Locations Throughout</i>									
Curbs									
Concrete w/ Steel Face	100%			LIFE		**			
Granite	85%			LIFE		**			
Granite	15%	2-4	\$1,800	LIFE		**			
<i>Settlement, Extent : Light, Area Affected : 10%</i>									
<i>Location : Random Locations Throughout</i>									
Embankment									
Not Accessible	100%								
Guide Railing									
Steel	100%			LIFE		**	2-8	\$5,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
<i>Explanation : Stainless Steel Bollard</i>									
Median									
Concrete	100%			LIFE		**	5		
Railings/Parapets									
Steel	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FIRST AVE. TUNNEL UNITED NATIONS PL/FIRST AVE TUNL**

**Asset # : 2513**

Bridge Structure		Current 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>Approaches</b>								
<b>Sidewalks</b>								
Cobblestone	100%			LIFE		**		
<i>Recent Replace Evident, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : East Approach</i>								
<i>Explanation : Consists Of 50 Percent Concrete, 20 Percent Cobblestone And 30 Percent Concrete Pavers</i>								
Masonry	100%			LIFE		**		
<i>Broken, Missing Pave, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Along East Approach</i>								
<b>Piers</b>								
<b>Stem, Solid Pier</b>								
Concrete	100%			LIFE		**		
Tile	100%			LIFE		**		
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE		**		
Granite	100%			LIFE		**		
<b>Guide Railing</b>								
Steel	100%			LIFE		**		
<b>Median</b>								
Concrete	20%	4+	\$5,100	LIFE		**	5	\$15,600
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	80%			LIFE		**	5	\$15,600
<b>Railings/Parapets</b>								
Concrete	100%			2037		**	4	\$32,000
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Steel	100%			LIFE		**	2-8	\$29,300
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Sidewalks</b>								
Concrete	100%			2033		**	5	\$82,600
<b>Wearing Surface</b>								
Asphalt	100%	4+	\$17,100	2029	\$855,200		5	\$30,500
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								

**Superstructure**

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**FIRST AVE. TUNNEL UNITED NATIONS PL/FIRST AVE TUNL**

**Asset # : 2513**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Deck, Structural								
Concrete	5%	4+	\$16,800	LIFE	**	5	\$101,500	
			<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Tiles Are Observed</i>					
Concrete	95%			LIFE	**	5	\$101,500	
Primary Member								
Concrete	100%			LIFE	**	5	\$474,300	
Secondary Member								
Concrete	100%			LIFE	**	5		

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FLATBUSH AVE. BRIDGE  
**Address** : FLATBUSH AVE OVER BELT - SHORE PARKWAY  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0174.000 / 13669 **Yr Built/Renovated** : 1941 / 1996  
**Area Sq Ft** : 14,058 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 09-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231460

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$175,600	\$467,500
<b>Total</b>	<b>\$175,600</b>	<b>\$467,500</b>
Importance Code A		\$139,100
Importance Code B	\$139,000	\$139,100
Importance Code C	\$36,600	\$189,200
<b>Total</b>	<b>\$175,600</b>	<b>\$467,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$45,300		\$31,400	
<b>Total</b>	<b>\$45,300</b>		<b>\$31,400</b>	
Importance Code A	\$21,300		\$14,700	
Importance Code B			\$14,000	
Importance Code C	\$24,000		\$2,800	
<b>Total</b>	<b>\$45,300</b>		<b>\$31,400</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLATBUSH AVE. BRIDGE**  
**Asset # : 13669**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%			LIFE		**		
		<i>Other Observation, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Northeast Corner</i>						
		<i>Explanation : Vegetation Growth</i>						
Backwall Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads Elastomeric	100%			2047		**		
Footings Not Accessible	100%							
Joint with Deck Generic	100%	Now	\$139,000	LIFE		**		
		<i>Cracks, Extent : Severe, Area Affected : 75%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Spalling, Extent : Severe, Area Affected : 75%</i>						
		<i>Location : Random Locations Throughout</i>						
Mat (scour & erosion) Earth	100%			LIFE		**		
Pedestals Concrete	100%			LIFE		**		
Stem (breastwall) Concrete	100%			LIFE		**		
Granite	100%			LIFE		**		
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE		**		
Piles Not Accessible	100%							
Walls Concrete	100%			LIFE		**		
		<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations Throughout</i>						
Granite	100%			LIFE		**		
		<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : All Wingwalls</i>						
		<i>Explanation : Stone Facing On Concrete Wingwalls</i>						
Feature Crossed								
Mat (scour & erosion) Generic	100%			LIFE		**		
Pier Protection Concrete	100%			LIFE		**		
Approaches								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLATBUSH AVE. BRIDGE**  
**Asset # : 13669**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Pavement								
Asphalt	80%			2028	\$122,100	4	\$5,100	
Asphalt	20%	4+	\$3,100	2028	\$30,500	4	\$3,400	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Northeast Side Of The Approach Around Con Edison Manhole</i>								
Concrete	100%			2036	**	4	\$24,900	
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Steel	80%			LIFE	**	2-8	\$5,800	
Steel	20%	4+	\$8,800	LIFE	**	2-8	\$5,800	
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Northeast And Southwest</i>								
<i>Explanation : Collision Damage, Fire Hydrant And Fenders Are Tilted. Corrugated Steel Railings Are Bent.</i>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE	**			
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : All Approach Sidewalks</i>								
Piers								
Stem,Solid Pier								
Concrete	100%			LIFE	**			
Masonry	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Ends Of Pier Wall</i>								
<i>Explanation : Stone Veneer Full Height Of Pier</i>								
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2047	**			
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Piles								
Not Accessible	100%							
Deck Elements								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLATBUSH AVE. BRIDGE**  
**Asset # : 13669**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<b>Median</b>								
Concrete	100%			LIFE	**	5	\$1,600	
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Mono Deck Surface</b>								
Concrete	100%			2047	**	5	\$73,300	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Crack In Deck Over The Pier</i>								
<b>Railings/Parapets</b>								
Concrete	95%			2036	**	4	\$12,800	
Concrete	5%	4+	\$3,000	2036	**	4	\$8,500	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Steel	100%			LIFE	**	2-8	\$11,700	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Vegetation Growth</i>								
<b>Sidewalks</b>								
Concrete	55%			2032	**	5	\$5,600	
Concrete	45%	4+	\$11,000	2032	**	5	\$2,800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	95%			LIFE	**	5	\$15,500	
<i>Rust Stains, Extent : Light, Area Affected : 2%</i>								
<i>Location : On Sip Forms</i>								
Concrete	5%	4+	\$5,300	LIFE	**	5	\$15,500	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Corrosion To Sip Forms In Southeast Bay</i>								
<b>Primary Member</b>								
Steel	100%			LIFE	**	2-8	\$259,900	
<i>Rust Stains, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Secondary Member</b>								
Steel	100%			LIFE	**	2-8	\$217,700	

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FLUSHING BRIDGE N.BLVD WB TO VWE SB/VACANT LAND  
**Address** : NORTHERN BLVD. X-ING FLUSH. RIV.  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0001.0A0 / 2561 **Yr Built/Renovated** :  
**Area Sq Ft** : 9,600 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 18-Oct-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 205580A

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure		\$149,900
<b>Total</b>		<b>\$149,900</b>
Importance Code C		\$149,900
<b>Total</b>		<b>\$149,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$46,800	\$1,300	\$300	\$1,900
<b>Total</b>	<b>\$46,800</b>	<b>\$1,300</b>	<b>\$300</b>	<b>\$1,900</b>
Importance Code A			\$300	
Importance Code B	\$7,200			
Importance Code C	\$39,600	\$1,300		\$1,900
<b>Total</b>	<b>\$46,800</b>	<b>\$1,300</b>	<b>\$300</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLUSHING BRIDGE N.BLVD WB TO VWE SB/VACANT LAND**

**Asset # : 2561**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals Not Accessible	100%							
Backwall Not Accessible	100%							
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Joint with Deck Generic	100%	4+	\$7,200	LIFE			**	
			<i>Missing/Damaged Seal, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Both Abutments</i>					
Mat (scour & erosion) Not Accessible	100%							
Pedestals Not Accessible	100%							
Stem (breastwall) Not Accessible	100%							
Walls Not Accessible	100%							
			<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location :</i>					
			<i>Explanation : Stem Wall Is Located Behind Enclosure Wall With Locked Door At West Side Abutment</i>					
<b>Wingwalls</b>								
Footings Not Accessible	100%							
Piles Not Accessible	100%							
Walls								
Concrete	95%			LIFE			**	
Concrete	5%	4+	\$10,900	LIFE			**	
			<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>					
			<i>Location : North Side</i>					
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : North Side</i>					
			<i>Vegetation Growth, Extent : Moderate, Area Affected : 80%</i>					
			<i>Location : North Side</i>					
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%			2029	\$149,900	4	\$4,000	
Concrete	100%	4+	\$4,700	2037	**	4	\$10,300	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLUSHING BRIDGE N.BLVD WB TO VWE SB/VACANT LAND**

**Asset # : 2561**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Curbs								
Concrete	100%			LIFE	**			
Embankment								
Generic	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**	2-8	\$2,900	
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2037	**	4		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : West Side</i>						
		<i>Explanation : Concrete Barrier</i>						
Steel	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : East Side</i>						
		<i>Explanation : Steel Fence</i>						
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8		
Pier,Columns								
Concrete	100%			LIFE	**			
Steel	100%			LIFE	**	2-8		
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**	2-8		
Footings								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete	100%			2048	**			
Guide Railing								
Concrete	100%			2041	**			
Mono Deck Surface								
Concrete	100%	4+	\$10,300	2048	**	5	\$21,100	
		<i>Cracks, Extent : Light, Area Affected : 20%</i>						
		<i>Location : Scattered Throughout</i>						
		<i>Spalling, Extent : Light, Area Affected : 40%</i>						
		<i>Location : Scattered Throughout</i>						
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$6,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Steel Fence</i>						
Sidewalks								
Concrete	100%			2033	**	5	\$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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLUSHING BRIDGE N.BLVD WB TO VWE SB/VACANT LAND**

**Asset # : 2561**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Scupper								
Ductile Iron	100%			LIFE	**			
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$10,600	
Joints								
Generic	100%	4+	\$13,700	LIFE	**			
			<i>Missing/Damaged Seal, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Broken/ Missing Steel Plates</i>					
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FORDHAM PLAZA METRO NORTH RAILROAD  
**Address** : E189TH ST, PARK AVE.  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0057.000 / 2482 **Yr Built/Renovated** : 1889 /  
**Area Sq Ft** : 40,080 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 22-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241839

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$70,200	\$581,200
<b>Total</b>	<b>\$70,200</b>	<b>\$581,200</b>
Importance Code A		\$440,800
Importance Code C	\$70,200	\$140,400
<b>Total</b>	<b>\$70,200</b>	<b>\$581,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$8,400	\$32,600	\$39,900	\$2,000
<b>Total</b>	<b>\$8,400</b>	<b>\$32,600</b>	<b>\$39,900</b>	<b>\$2,000</b>
Importance Code A	\$2,300		\$39,900	
Importance Code C	\$6,100	\$32,600		\$2,000
<b>Total</b>	<b>\$8,400</b>	<b>\$32,600</b>	<b>\$39,900</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.

**DEPARTMENT OF TRANSPORTATION - 841  
FORDHAM PLAZA METRO NORTH RAILROAD**

**Asset # : 2482**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	2%	4+	\$2,300	LIFE			**	
	<i>Cracks, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Throughout</i>							
Concrete	98%			LIFE			**	
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE			**	
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Pedestals								
Concrete	100%			LIFE			**	
Stem (breastwall)								
Concrete	100%			LIFE			**	
	<i>Other Observation, Extent : Light, Area Affected : 50%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Explanation : Not Accessible For Inspection. Requires Railroad Flagman.</i>							
Walls								
Granite	100%			LIFE			**	
	<i>Other Observation, Extent : Light, Area Affected : 50%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Stone Facing Not Accessible For Inspection. Requires Railroad Flagman.</i>							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Masonry: Schist/Gneiss	100%			LIFE			**	
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Approaches								
Pavement								
Concrete	100%			2037		**	4	\$97,900
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Explanation : Consists Of 10 Percent Concrete And 90 Percent Concrete Pavers</i>							
Curbs								
Concrete w/ Steel Face	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FORDHAM PLAZA METRO NORTH RAILROAD**  
**Asset # : 2482**

Bridge Structure		Current 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>Approaches</b>								
<b>Median</b>								
Concrete	100%			LIFE	**	5		
<b>Railings/Parapets</b>								
Schist/Gneiss	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : South Side</i>								
<i>Explanation : Only One Side Of Bridge Has Railing</i>								
<b>Sidewalks</b>								
Concrete	100%			LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE	**			
Granite	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Specifically, Stone</i>								
<b>Median</b>								
Concrete	100%			LIFE	**	5	\$1,800	
<b>Railings/Parapets</b>								
Concrete	100%			2037	**	4		
Schist/Gneiss	100%			LIFE	**			
Steel	100%			LIFE	**	2-8	\$2,500	
<b>Sidewalks</b>								
Concrete	65%	4+	\$3,100	2033	**	5	\$2,000	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	35%			2033	**	5	\$3,900	
<b>Wearing Surface</b>								
Concrete	93%			2041	**	5	\$140,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underneath Of Median Plaza Area</i>								
<i>Explanation : Not Accessible</i>								
Concrete	7%	4+	\$3,000	2037	**	5	\$70,200	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	100%			LIFE	**	5	\$44,100	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations On Stay In Place Forms</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Not Accessible And Covered With Stay In Place Forms For Inspection.</i>								
<i>Requires Railroad Flagman.</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841  
FORDHAM PLAZA METRO NORTH RAILROAD**

**Asset # : 2482**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Joints								
Generic	100%			LIFE		**		
Primary Member								
Steel	100%			LIFE	**	2-8	\$740,900	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : South Side Of Bridge</i>								
<i>Explanation : Not Accessible For Inspection. Requires Railroad Flagman.</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : South Side Of Bridge</i>								
<i>Explanation : Not Accessible For Inspection. Requires Railroad Flagman.</i>								

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

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FORT HAMILTON BRIDGE  
**Address** : FORT HAMILTON PARKWAY  
**Borough** : BROOKLYN  
**Program / Asset #** : DOT0162.000 / 13570  
**Area Sq Ft** : 14,800  
**Date of Survey** : 11-Dec-2017  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2243620  
**Agency's Number** : N/A  
**Yr Built/Renovated** : 1984 /  
**Project Type** : HIGHWAY BRIDGES  
**Landmark Status** : NONE

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$35,400	\$507,500
<b>Total</b>	<b>\$35,400</b>	<b>\$507,500</b>
Importance Code B	\$35,400	
Importance Code C		\$507,500
<b>Total</b>	<b>\$35,400</b>	<b>\$507,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$38,600		\$11,700	
<b>Total</b>	<b>\$38,600</b>		<b>\$11,700</b>	
Importance Code A			\$5,300	
Importance Code C	\$38,600		\$6,400	
<b>Total</b>	<b>\$38,600</b>		<b>\$11,700</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FORT HAMILTON BRIDGE**  
**Asset # : 13570**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals Concrete	100%			LIFE	**			
Backwall Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads Elastomeric	100%			2049	**			
Footings Not Accessible	100%							
Joint with Deck Generic	100%			LIFE	**			
Mat (scour & erosion) Earth	100%			LIFE	**			
Stem (breastwall) Concrete	35%	4+	\$35,400	LIFE	**			
			<i>Efflorescence, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Leakage, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	65%			LIFE	**			
<b>Wingwalls</b>								
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	**			
Piles Not Accessible	100%							
Walls Concrete	100%			LIFE	**			
<b>Approaches</b>								
Pavement Asphalt	100%	4+	\$11,100	2030	**	4	\$1,500	
			<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Cracks, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Approach Pavement Is 60 Percent Asphalt And 40 Percent Concrete</i>					
Concrete	100%			2038	**	4	\$12,800	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Approach Pavement Is 40 Percent Concrete And 60 Percent Asphalt</i>					
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE	**			
			<i>Rust Stains, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Throughout</i>					

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**FORT HAMILTON BRIDGE**  
**Asset # : 13570**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Railings/Parapets Concrete	100%			2038	**	4		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : North Side</i>								
<i>Explanation : Component Exists On One Side Only</i>								
Sidewalks								
Concrete	50%	4+	\$10,300	LIFE	**			
<i>Settlement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Northwest Corner</i>								
Concrete	50%			LIFE	**			
Piers								
Stem,Solid Pier Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	**			
Pedestals Not Accessible	100%							
Piles Not Accessible	100%							
Deck Elements								
Curbs Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Mono Deck Surface Concrete	100%			2049	**	5	\$42,000	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets Concrete	100%			2038	**	4	\$10,500	
Sidewalks Concrete	50%	4+	\$10,200	2034	**	5	\$7,100	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 2%</i>								
<i>Location : Adjacent To Joint Header</i>								
Concrete	50%			2024	\$507,500	5	\$14,300	
Superstructure								
Joints Generic	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FORT HAMILTON BRIDGE**  
**Asset # : 13570**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Primary Member								
Not Accessible	100%							

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : GRAND CONCOURSE BRIDGE  
Address : GRAND CONCOURSE  
Borough : BRONX Agency's Number : N/A  
Program / Asset # : DOT0158.000 / 13566 Yr Built/Renovated : 1906 / 2006  
Area Sq Ft : 16,100 Project Type : HIGHWAY BRIDGES  
Date of Survey : 22-Nov-2017 Landmark Status : NONE  
Areas Surveyed :  
Block : Lot : BIN : 2241409

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$228,900	
<b>Total</b>	<b>\$228,900</b>	
Importance Code B	\$51,100	
Importance Code C	\$177,800	
<b>Total</b>	<b>\$228,900</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$73,900		\$24,000	
<b>Total</b>	<b>\$73,900</b>		<b>\$24,000</b>	
Importance Code A	\$30,600		\$200	
Importance Code C	\$43,300		\$23,800	
<b>Total</b>	<b>\$73,900</b>		<b>\$24,000</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**GRAND CONCOURSE BRIDGE**  
**Asset # : 13566**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	80%	2-4	\$51,100	LIFE			**	
			<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>					
			<i>Location : Concrete Joint Headers (1 Foot High By 1 Foot Wide)</i>					
			<i>Loose Joint Plates, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Missing/Damaged Seal, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Random Locations Throughout</i>					
Generic	20%			LIFE			**	
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Feature Crossed								
Bank Protection								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Approaches								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**GRAND CONCOURSE BRIDGE**  
**Asset # : 13566**

Bridge Structure		Current 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>Approaches</b>								
<b>Pavement</b>								
Concrete	80%	4+	\$56,800	2038	**	4	\$47,600	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	20%			2038	**	4	\$47,600	
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$19,500	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : 18 Inch Long Broken Piece Of Curb At Southwest Side</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Southeast Approach</i>								
<b>Embankment</b>								
Earth	100%			LIFE	**			
<b>Railings/Parapets</b>								
Steel	100%			LIFE	**			
<b>Sidewalks</b>								
Concrete	100%	4+	\$16,700	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$5,000	LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Median</b>								
Concrete	100%	4+	\$2,800	LIFE	**	5	\$1,400	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Railings/Parapets</b>								
Steel	100%			LIFE	**	2-8	\$8,700	
<i>Rust Stains, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$26,600	2034	**	5	\$3,800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Wearing Surface</b>								
Concrete	100%	4+	\$121,100	2038	**	5	\$34,400	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								

**Superstructure**

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**GRAND CONCOURSE BRIDGE**  
**Asset # : 13566**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Deck, Structural								
Not Accessible	100%							
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : GRAND CONCOURSE BRIDGE GRAND CONCOURSE/EAST 167TH ST  
**Address** : 167TH ST  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0062.000 / 2501 **Yr Built/Renovated** : 1923 /  
**Area Sq Ft** : 38,100 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 20-Aug-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2242280

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$1,311,500	\$3,259,800
<b>Total</b>	<b>\$1,311,500</b>	<b>\$3,259,800</b>
Importance Code A	\$409,100	\$467,800
Importance Code B	\$795,200	\$981,800
Importance Code C	\$107,200	\$1,810,200
<b>Total</b>	<b>\$1,311,500</b>	<b>\$3,259,800</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$89,200		\$101,600	\$23,600
<b>Total</b>	<b>\$89,200</b>		<b>\$101,600</b>	<b>\$23,600</b>
Importance Code A	\$6,700		\$100	
Importance Code B	\$18,500		\$98,500	
Importance Code C	\$64,000		\$3,100	\$23,600
<b>Total</b>	<b>\$89,200</b>		<b>\$101,600</b>	<b>\$23,600</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**GRAND CONCOURSE BRIDGE GRAND CONCOURSE/EAST 167TH ST**  
**Asset # : 2501**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Concrete	100%			LIFE			* *	
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Stem (breastwall)								
Concrete	35%	4+	\$464,400	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	65%			LIFE			* *	
Concrete Encased Steel	70%	4+	\$159,400	LIFE			* *	
			<i>Efflorescence, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Spalling At Interface With Pedestals</i>					
Concrete Encased Steel	30%			LIFE			* *	
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Piles								
Not Accessible	100%							
Walls								
Concrete	65%			LIFE			* *	
Concrete	35%	4+	\$53,800	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Approaches								
Pavement								
Asphalt	60%			2028	\$800,400	4	\$35,600	
Asphalt	40%	2-4	\$53,400	2028	\$533,600	4	\$23,800	
			<i>Cracks, Extent : Light, Area Affected : 25%</i>					
			<i>Location : Random Locations Along Wingwalls</i>					
			<i>Settlement, Extent : Moderate, Area Affected : 40%</i>					
			<i>Location : Random Locations Along Wingwall Curbs</i>					

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**GRAND CONCOURSE BRIDGE GRAND CONCOURSE/EAST 167TH ST**  
**Asset # : 2501**

Bridge Structure		Current 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>Approaches</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	80%			LIFE	**			
Concrete w/ Steel Face	20%	4+	\$4,000	LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Sidewalks</b>								
Concrete	80%			LIFE	**			
Concrete	20%	4+	\$13,500	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Piers</b>								
<b>Pier,Columns</b>								
Steel	98%			LIFE	**	2-8	\$1,413,400	
Steel	2%	4+	\$18,500	LIFE	**	2-8	\$1,413,400	
<i>Rust Stains, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Stem,Solid Pier</b>								
Concrete	75%			LIFE	**			
Concrete	25%	4+	\$171,400	LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Generic	100%			LIFE	**			
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	90%			LIFE	**			
Concrete w/ Steel Face	10%	Now	\$1,400	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West And East Sidewalk</i>								
<b>Gratings</b>								
Steel	100%			LIFE	**			
<b>Median</b>								
Concrete	100%			LIFE	**	5	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**GRAND CONCOURSE BRIDGE GRAND CONCOURSE/EAST 167TH ST**  
**Asset # : 2501**

Bridge Structure		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>Deck Elements</b>								
Railings/Parapets								
Concrete	100%	4+	\$1,400	2036	**	4	\$800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Steel	100%			LIFE	**	2-8	\$1,900	
<b>Sidewalks</b>								
Concrete	70%			2032	**	5	\$6,200	
Concrete	30%	2-4	\$10,000	2032	**	5	\$3,100	
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : West Sidewalk</i>								
<b>Wearing Surface</b>								
Asphalt	70%			2028	\$333,300	5	\$47,100	
Asphalt	30%	4+	\$28,600	2028	\$142,800	5	\$23,600	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Near Curbs</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : West Side</i>								
<i>Explanation : Construction Zone</i>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	80%			LIFE	**	5	\$41,900	
Concrete	20%	4+	\$288,700	LIFE	**	5	\$41,900	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Delaminations, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 40%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Primary Member</b>								
Concrete Encased Steel	80%			LIFE	**	5	\$192,000	
Concrete Encased Steel	20%	4+	\$120,400	LIFE	**	5	\$192,000	
<i>Efflorescence, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : GRAND CONCOURSE OVER E.161 ST. GRAND CONCOURSE/E.161 ST.  
**Address** : GRAND CONCOURSE AND E.161 ST.  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0135.000 / 4215 **Yr Built/Renovated** : 1931 / 2008  
**Area Sq Ft** : 24,075 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 20-Aug-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2242259

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$612,800	\$1,899,200
<b>Total</b>	<b>\$612,800</b>	<b>\$1,899,200</b>
Importance Code A		\$253,900
Importance Code B	\$544,700	\$253,900
Importance Code C	\$68,100	\$1,391,400
<b>Total</b>	<b>\$612,800</b>	<b>\$1,899,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$79,500		\$59,800	
<b>Total</b>	<b>\$79,500</b>		<b>\$59,800</b>	
Importance Code A	\$12,200		\$26,300	
Importance Code B			\$25,500	
Importance Code C	\$67,300		\$8,100	
<b>Total</b>	<b>\$79,500</b>		<b>\$59,800</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.



**DEPARTMENT OF TRANSPORTATION - 841**  
**GRAND CONCOURSE OVER E.161 ST. GRAND CONCOURSE/E.161 ST.**  
**Asset # : 4215**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE	**			
Deck Elements								
Curbs								
Granite	100%			LIFE	**			
Gratings								
Steel	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**	5		
Granite	100%	4+	\$3,800	LIFE	**			
<i>Broken, Missing Pave, Extent : Light, Area Affected : 2%</i>								
<i>Location : Near East End Of Plaza</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lou Gehrig Plaza</i>								
<i>Explanation : Pavers And Planter Boxes Throughout Plaza</i>								
Mono Deck Surface								
Concrete	100%			2047	**	5	\$136,300	
Railings/Parapets								
Concrete	100%			2036	**	4	\$25,100	
Steel	100%			LIFE	**	2-8	\$22,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Stainless Steel</i>								
Sidewalks								
Concrete	100%			2032	**	5	\$16,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Sidewalks At Fasciae</i>								
<i>Explanation : Concrete Sidewalks At Each Fascia</i>								
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$28,200	
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Construction Joints</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Precast Concrete Deck</i>								
Joints								
Generic	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8	\$474,200	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$397,200	

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : GUIDER AVENUE RAMP TO BSHP BELT PARKWAY  
**Address** : GUIDER AVENUE TO WEST BOUND BSHP OFF CONEY ISLAND AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0222.000 / 14957 **Yr Built/Renovated** : 2015 /  
**Area Sq Ft** : 10,537 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 06-Mar-2018 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231370

**CAPITAL**

**Total**

Importance Code

**Total**

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$8,800		\$4,400	\$19,600
<b>Total</b>	<b>\$8,800</b>		<b>\$4,400</b>	<b>\$19,600</b>
Importance Code A	\$8,800		\$1,000	
Importance Code C			\$3,300	\$19,600
<b>Total</b>	<b>\$8,800</b>		<b>\$4,400</b>	<b>\$19,600</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**GUIDER AVENUE RAMP TO BSHP BELT PARKWAY**  
**Asset # : 14957**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	**			
Backwall								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Multi-Rotational Bearing	100%			2057	**			
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	**			
		<i>Corrosion, Extent : Moderate, Area Affected : 90%</i>						
		<i>Location : Throughout</i>						
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Stem (breastwall)								
Concrete	100%			LIFE	**			
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Granite	100%			LIFE	**			
Masonry: Stone	100%			LIFE	**			
Feature Crossed								
Mat (scour & erosion)								
Concrete	100%			LIFE	**			
Pier Protection								
Concrete	100%			LIFE	**			
Approaches								
Pavement								
Concrete	100%			2038	**	4	\$6,700	
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
		<i>Corrosion, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations Throughout</i>						
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**	2-8	\$3,300	
Mat (scour & erosion)								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**GUIDER AVENUE RAMP TO BSHP BELT PARKWAY**

**Asset # : 14957**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2038	**	4	\$1,100	
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
Pier, Columns								
Concrete	100%			LIFE	**			
Brngs, Ancr Blts, Pads								
Multi-Rotational Bearing	100%			2032	**			
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
			<i>Corrosion, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
Gratings								
Not Accessible	100%							
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$19,700	
Sidewalks								
Concrete	100%			2034	**	5	\$6,400	
			<i>Cracks, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Random Locations Throughout</i>					
Wearing Surface								
Concrete	100%			2038	**	5	\$39,200	
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Covered By Stay In Place Forms</i>					
Primary Member								
Steel	100%			LIFE	**	2-8		
Secondary Member								
Steel	100%			LIFE	**	2-8		

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841  
GUIDER AVENUE RAMP TO BSHP BELT PARKWAY  
Asset # : 14957**

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : GUY R. BREWER BLVD BRIDGE  
 Address : GUY R. BREWER BOULEVARD OVER BELT - SOUTHERN PARKWAY  
 Borough : QUEENS Agency's Number : N/A  
 Program / Asset # : DOT0173.000 / 13668 Yr Built/Renovated :  
 Area Sq Ft : 7,300 Project Type : HIGHWAY BRIDGES  
 Date of Survey : 19-Aug-2015 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2231610

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure		\$434,900
<b>Total</b>		<b>\$434,900</b>
Importance Code A		\$144,500
Importance Code B		\$121,000
Importance Code C		\$169,400
<b>Total</b>		<b>\$434,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$44,900		\$36,600	
<b>Total</b>	<b>\$44,900</b>		<b>\$36,600</b>	
Importance Code A	\$8,000		\$14,800	
Importance Code B			\$12,100	
Importance Code C	\$36,900		\$9,700	
<b>Total</b>	<b>\$44,900</b>		<b>\$36,600</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**GUY R. BREWER BLVD BRIDGE**  
**Asset # : 13668**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE			**	
Backwall								
Concrete	80%			LIFE			**	
Concrete	20%			LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 2%</i> <i>Location : Random Locations Throughout</i> <i>Delaminations, Extent : Light, Area Affected : 3%</i> <i>Location : Both Sides</i> <i>Efflorescence, Extent : Light, Area Affected : 2%</i> <i>Location : Random Locations Throughout</i> <i>Leakage, Extent : Light, Area Affected : 2%</i> <i>Location : Random Locations Throughout</i> <i>Spalling, Extent : Light, Area Affected : 5%</i> <i>Location : Both Sides</i> <i>Other Observation, Extent : Light, Area Affected : 4%</i> <i>Location : Throughout</i> <i>Explanation : Vegetation Growth</i>								
Brngs,Ancr Blts,Pads								
Multi-Rotational Bearing	100%			2055			**	
<i>Corrosion, Extent : Light, Area Affected : 2%</i> <i>Location : Random Locations Throughout</i> <i>Rust Stains, Extent : Light, Area Affected : 4%</i> <i>Location : Random Locations Throughout</i>								
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE			**	
Mat (scour & erosion)								
Generic	100%			LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Throughout</i> <i>Explanation : Granite Rock Pavers</i>								
Pedestals								
Concrete	100%			LIFE			**	
Stem (breastwall)								
Concrete	100%			LIFE			**	
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**GUY R. BREWER BLVD BRIDGE**  
**Asset # : 13668**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Wingwalls								
Walls								
Concrete	100%	4+	\$21,200	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Pier Protection								
Concrete	100%			LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Barrier</i>								
Approaches								
Pavement								
Asphalt	100%			2028	\$169,400	4	\$5,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Concrete	100%			2036		4	\$12,300	
<i>Cracks, Extent : Light, Area Affected : 6%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE			**	
<i>Misaligned/Bulging, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Rust Stains, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Embankment								
Earth	100%			LIFE			**	
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2036		4	**	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Steel	100%	4+	\$5,100	LIFE			**	
<i>Damaged Railing, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**GUY R. BREWER BLVD BRIDGE**  
**Asset # : 13668**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Sidewalks								
Concrete	100%	4+	\$3,200	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Piers								
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$140,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Bottom Of Steel Column</i>								
<i>Explanation : The Condition Of Base Plate Is Recorded With The Column</i>								
Stem,Solid Pier								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Multi-Rotational Bearing	100%			2055	**			
<i>Rust Stains, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Mono Deck Surface								
Concrete	100%			2047	**	5	\$19,400	
<i>Cracks, Extent : Light, Area Affected : 4%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
Railings/Parapets								
Concrete	100%			2036	**	4	\$8,700	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Steel	100%			LIFE	**	2-8	\$8,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Chain Link Fence</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**GUY R. BREWER BLVD BRIDGE**  
**Asset # : 13668**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Sidewalks								
Concrete	100%	4+	\$6,500	2032	**	5	\$3,800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$8,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Bottom Of The Deck</i>								
<i>Explanation : Stay In Place Is In Good Condition</i>								
Joints								
Steel	100%			LIFE	**			
Primary Member								
Steel	10%			LIFE	**	2-8	\$135,000	
<i>Rust Stains, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
Steel	90%			LIFE	**	2-8	\$135,000	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$113,000	
<i>Rust Stains, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								

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

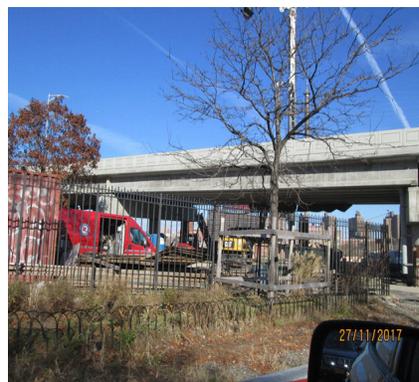
Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : HARLEM RIVER DR. VIADUCT BRIDGE FDR DR/RAMP TO HARLEM R.DR.N.B.  
 Address : 127TH ST. TO 2ND AVE.  
 Borough : MANHATTAN Agency's Number : N/A  
 Program / Asset # : DOT0034.090 / 2473 Yr Built/Renovated : 1958 /  
 Area Sq Ft : 51,121 Project Type : HIGHWAY BRIDGES  
 Date of Survey : 27-Nov-2017 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2233059

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$161,500	\$161,500
<b>Total</b>	<b>\$161,500</b>	<b>\$161,500</b>
Importance Code A	\$161,500	\$161,500
<b>Total</b>	<b>\$161,500</b>	<b>\$161,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$13,400			
<b>Total</b>	<b>\$13,400</b>			
Importance Code A	\$13,400			
<b>Total</b>	<b>\$13,400</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER DR. VIADUCT BRIDGE FDR DR/RAMP TO HARLEM R.DR.N.B.**  
**Asset # : 2473**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	**			
Backwall								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2055	**			
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Stem (breastwall)								
Concrete	100%			LIFE	**			
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE	**			
Approaches								
Pavement								
Concrete	100%			2042	**	4		
Median								
Concrete	100%			LIFE	**	5		
Railings/Parapets								
Concrete	100%			2042	**	4		
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
Pier,Columns								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2055	**			
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Piles								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER DR. VIADUCT BRIDGE FDR DR/RAMP TO HARLEM R.DR.N.B.**  
**Asset # : 2473**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Median								
Concrete	100%			LIFE	**	5	\$26,800	
Railings/Parapets								
Concrete	100%			2042	**	4		
Wearing Surface								
Concrete	100%			2042	**	5		
Scupper								
Cast Iron	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Total Of 2 Scuppers</i>								
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$112,500	
Joints								
Generic	100%			LIFE	**			
Primary Member								
Concrete	100%			LIFE	**	5	\$210,400	
Secondary Member								
Concrete	100%			LIFE	**	5		

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : HARLEM RIVER DRIVE RAMP BRIDGE H.R.D. NB (RAMP)/HARLEM RIVER DR  
 Address : 172ND ST, AMSTERDAM AVE  
 Borough : MANHATTAN Agency's Number : N/A  
 Program / Asset # : DOT0079.000 / 2509 Yr Built/Renovated : 1939 /  
 Area Sq Ft : 112,860 Project Type : HIGHWAY BRIDGES  
 Date of Survey : 20-Aug-2015 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2267240

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$24,226,100	\$5,906,100
<b>Total</b>	<b>\$24,226,100</b>	<b>\$5,906,100</b>
Importance Code A	\$16,958,100	\$1,692,500
Importance Code B	\$5,929,900	\$2,092,100
Importance Code C	\$1,338,100	\$2,121,400
<b>Total</b>	<b>\$24,226,100</b>	<b>\$5,906,100</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$110,200		\$44,800	
<b>Total</b>	<b>\$110,200</b>		<b>\$44,800</b>	
Importance Code A	\$63,700		\$44,800	
Importance Code B	\$26,600			
Importance Code C	\$19,900			
<b>Total</b>	<b>\$110,200</b>		<b>\$44,800</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER DRIVE RAMP BRIDGE H.R.D. NB (RAMP)/HARLEM RIVER DR**  
**Asset # : 2509**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
<b>Joint with Deck</b>								
Generic	40%			LIFE			**	
Generic	60%	Now	\$64,700	LIFE			**	
<i>Corrosion, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Beginning Abutment</i>								
<i>Leakage, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Joint Is Paved Over For Entire Length.</i>								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
<b>Pedestals</b>								
Not Accessible	100%							
<b>Stem (breastwall)</b>								
Concrete	50%			LIFE			**	
Concrete	50%	2-4	\$217,800	LIFE			**	
<i>Cracks, Extent : Severe, Area Affected : 55%</i>								
<i>Location : Random Locations Per Biennial Inspection Report</i>								
<i>Efflorescence, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Light Scaling, Water Stains On Stem Wall Surface Per Biennial Inspection</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Random Locations Per Biennial Inspection</i>								
<i>Spalling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Random Locations Per Biennial Inspection</i>								
<b>Wingwalls</b>								
<b>Footings</b>								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
<b>Piles</b>								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER DRIVE RAMP BRIDGE H.R.D. NB (RAMP)/HARLEM RIVER DR**  
**Asset # : 2509**

Bridge Structure		Current 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>Wingwalls</b>								
<b>Walls</b>								
Concrete	100%	4+	\$185,600	LIFE			**	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Spans 9 And 10 Left Curtain Wall Per Biennial Inspection Report</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Brick Fascia</i>								
<hr/>								
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	80%			2028	\$329,800	4	\$10,200	
Asphalt	20%	4+	\$16,500	2028	\$82,400	4	\$6,800	
<i>Settlement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Curbs</b>								
Concrete	15%	4+	\$700	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Near The Joint At 49th Pier</i>								
Concrete	85%			LIFE			**	
Concrete w/ Steel Face	75%			LIFE			**	
Concrete w/ Steel Face	25%	4+	\$2,200	LIFE			**	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Guide Railing</b>								
Concrete	40%			2036			**	\$7,700
Concrete	60%	0-2	\$34,800	2036			**	\$5,200
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Heavily Spalled</i>								
<hr/>								
<b>Pavement Base</b>								
Not Accessible	100%							
<hr/>								
<b>Piers</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER DRIVE RAMP BRIDGE H.R.D. NB (RAMP)/HARLEM RIVER DR**  
**Asset # : 2509**

Bridge Structure		Current 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>Piers</b>								
Pier,Columns Concrete	35%	2-4	\$2,704,200	LIFE			**	
	<i>Cracks, Extent : Severe, Area Affected : 30%</i> <i>Location : Throughout</i> <i>Spalling, Extent : Severe, Area Affected : 30%</i> <i>Location : Throughout</i>							
Concrete	25%	Now	\$1,931,600	LIFE			**	
	<i>Delaminations, Extent : Severe, Area Affected : 40%</i> <i>Location : Spans 1 To 11</i> <i>Spalling, Extent : Severe, Area Affected : 40%</i> <i>Location : Spans 1 To 11</i> <i>Other Observation, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations Throughout</i> <i>Explanation : Vegetation Growth</i>							
Concrete	40%			LIFE			**	
<b>Brngs,Ancr Blts,Pads</b>								
Not Accessible	100%							
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	80%			LIFE			**	
Earth	20%	2-4	\$55,000	LIFE			**	
	<i>Erosion, Extent : Moderate, Area Affected : 25%</i> <i>Location : Exposed Footing Area And Water Ponding Along Wall</i>							
<b>Pedestals</b>								
Concrete	80%			LIFE			**	
Concrete	20%	4+	\$26,600	LIFE			**	
	<i>Spalling, Extent : Moderate, Area Affected : 30%</i> <i>Location : Random Locations Throughout</i>							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$166,000	LIFE			**	
	<i>Cracks, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations On West Side</i> <i>Spalling, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations On West Side</i> <i>Vegetation Growth, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations On West Side</i>							
<b>Median</b>								
Concrete	80%			LIFE		**	5	\$22,600
Concrete	20%	4+	\$188,200	LIFE		**	5	\$22,600
	<i>Cracks, Extent : Light, Area Affected : 10%</i> <i>Location : Random Locations Throughout</i> <i>Spalling, Extent : Light, Area Affected : 10%</i> <i>Location : Random Locations Throughout</i>							
Steel	100%			LIFE		**	4-8	\$119,000

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER DRIVE RAMP BRIDGE H.R.D. NB (RAMP)/HARLEM RIVER DR**  
**Asset # : 2509**

Bridge Structure		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>Deck Elements</b>								
<b>Railings/Parapets</b>								
Concrete	80%			2036	**	4	\$70,600	
Concrete	20%	0-2	\$272,100	2036	**	4	\$47,100	
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Sidewalks</b>								
Concrete	70%			2032	**	5	\$80,400	
Concrete	30%	2-4	\$427,400	2032	**	5	\$40,200	
<i>Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Delaminations, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Wearing Surface</b>								
Asphalt	70%			2028	\$1,045,300	5	\$135,600	
Asphalt	30%	4+	\$89,600	2028	\$448,000	5	\$67,800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Rutting</i>								
<hr/>								
<b>Scupper</b>								
Cast Iron	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 24 Scuppers</i>								
<hr/>								
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Concrete	25%			LIFE	**	5	\$124,200	
Concrete	75%	2-4	\$4,543,300	LIFE	**	5	\$124,200	
<i>Broken,Missing Pave, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Random Locations Throughout</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**HARLEM RIVER DRIVE RAMP BRIDGE H.R.D. NB (RAMP)/HARLEM RIVER DR**  
**Asset # : 2509**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Joints								
Generic	25%			LIFE	**			
Generic	75%	Now	\$527,500	LIFE	**			
<i>Leakage, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Most Of The Joints, Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Most Of The Joints, Throughout</i>								
<i>Explanation : Paved Over</i>								
Primary Member								
Concrete	60%			LIFE	**	5	\$464,500	
Concrete	40%	2-4	\$10,274,200	LIFE	**	5	\$464,500	
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Various, Throughout Arches</i>								
<i>Spalling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Various, Throughout Arches</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Vegetation Growth</i>								
Steel	75%			LIFE	**	2-8	\$417,300	
Steel	25%	4+	\$1,459,400	LIFE	**	2-8	\$417,300	
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Per Biennial Inspection Report</i>								
<i>Loss of Section, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
Secondary Member								
Concrete	80%			LIFE	**	5	\$1,046,100	
Concrete	20%	4+	\$1,011,600	LIFE	**	5	\$1,046,100	
<i>Spalling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete Encased Steel	100%			2055	**			

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : HEN HUD PKWAY VIADUCT BRIDGE HHP VIADUCT/W72 ST TO W79 ST  
**Address** : W. 72ST TO W. 79ST  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0009.000 / 2444 **Yr Built/Renovated** : 1937 /  
**Area Sq Ft** : 232,394 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 28-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2229289

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$349,000	\$2,436,700
<b>Total</b>	<b>\$349,000</b>	<b>\$2,436,700</b>
Importance Code A	\$212,500	\$102,700
Importance Code C	\$136,500	\$2,334,000
<b>Total</b>	<b>\$349,000</b>	<b>\$2,436,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$42,200		\$400	
<b>Total</b>	<b>\$42,200</b>		<b>\$400</b>	
Importance Code A	\$42,200		\$400	
<b>Total</b>	<b>\$42,200</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HEN HUD PKWAY VIADUCT BRIDGE HHP VIADUCT/W72 ST TO W79 ST**  
**Asset # : 2444**

Bridge Structure	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>Abutments</b>							
Bridge Seat&pedestals Not Accessible	100%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
		<i>Location : Abutment</i>					
		<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>					
<hr/>							
Backwall Not Accessible	100%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
		<i>Location : Abutment</i>					
		<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>					
<hr/>							
Brngs,Ancr Blts,Pads Not Accessible	100%						
<hr/>							
Footings Not Accessible	100%						
<hr/>							
Joint with Deck Not Accessible	100%						
<hr/>							
Mat (scour & erosion) Not Accessible	100%						
<hr/>							
Pedestals Not Accessible	100%						
<hr/>							
Stem (breastwall) Not Accessible	100%						
<hr/>							
Walls Not Accessible	100%						
<hr/>							
<b>Feature Crossed</b>							
Bank Protection Not Accessible	100%						
<hr/>							
Mat (scour & erosion) Not Accessible	100%						
<hr/>							
Pier Protection Not Accessible	100%						
<hr/>							
<b>Piers</b>							
Cap Beam Not Accessible	100%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
		<i>Location : Throughout</i>					
		<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>					
<hr/>							
Pier,Columns Not Accessible	100%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
		<i>Location : Throughout</i>					
		<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>					
<hr/>							
Stem,Solid Pier Not Accessible	100%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
		<i>Location : Throughout</i>					
		<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>					

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**HEN HUD PKWAY VIADUCT BRIDGE HHP VIADUCT/W72 ST TO W79 ST**  
**Asset # : 2444**

Bridge Structure		Current 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>Piers</b>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>						
<b>Piles</b>								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>						
<b>Deck Elements</b>								
<b>Median</b>								
Concrete	90%			LIFE	**	5	\$51,300	
Concrete	10%	4+	\$43,100	LIFE	**	5	\$51,300	
		<i>Cracks, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations Throughout</i>						
<b>Railings/Parapets</b>								
Concrete	80%			2036	**	4	\$126,500	
Concrete	20%	4+	\$169,300	2036	**	4	\$84,400	
		<i>Cracks, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Random Locations Throughout</i>						
Steel	100%			LIFE	**	2-8	\$10,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Chain Link Fence</i>						
<b>Wearing Surface</b>								
Asphalt	90%			2028	\$1,932,100	5	\$187,200	
Asphalt	10%	4+	\$42,900	2028	\$214,700	5	\$93,600	
		<i>Cracks, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Random Locations Throughout</i>						
<b>Scupper</b>								
Cast Iron	100%			LIFE	**			
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>						

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**HEN HUD PKWAY VIADUCT BRIDGE HHP VIADUCT/W72 ST TO W79 ST**  
**Asset # : 2444**

Bridge Structure	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Joints								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>						
Primary Member								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>						
Secondary Member								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>						

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : HENRY HUDSON PKWY, W. 158TH ST. HENRY HUDSON PKWY/W 158 ST  
**Address** : HENRY HUDSON PKWY AT W. 158TH ST  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0011.090 / 2820 **Yr Built/Renovated** : 1939 /  
**Area Sq Ft** : 140,000 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 30-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2229349

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$2,393,500	\$4,831,000
<b>Total</b>	<b>\$2,393,500</b>	<b>\$4,831,000</b>
Importance Code A	\$1,523,700	\$2,271,800
Importance Code B	\$590,600	\$1,685,000
Importance Code C	\$279,200	\$874,200
<b>Total</b>	<b>\$2,393,500</b>	<b>\$4,831,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$47,700	\$40,100	\$366,300	
<b>Total</b>	<b>\$47,700</b>	<b>\$40,100</b>	<b>\$366,300</b>	
Importance Code A	\$29,500	\$27,400	\$197,300	
Importance Code B			\$169,000	
Importance Code C	\$18,200	\$12,700		
<b>Total</b>	<b>\$47,700</b>	<b>\$40,100</b>	<b>\$366,300</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HENRY HUDSON PKWY, W. 158TH ST. HENRY HUDSON PKWY/W 158 ST**  
**Asset # : 2820**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%	4+	\$10,200	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 8%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Signs Of Water Leakage Through Joints</i>								
Backwall								
Concrete	100%	4+	\$18,200	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : South Abutment</i>								
<i>Leakage, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Not Accessible</i>								
<i>Explanation : Begin And End Abutment Not Accessible</i>								
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	2-4	\$80,900	LIFE			**	
<i>Loose Joint Plates, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : South End</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South End And North Abutments</i>								
<i>Explanation : Uneven Surface Of Expansion Joint Cover Observed At South End. Also, North Abutment Not Accessible</i>								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Pedestals								
Concrete	100%			LIFE			**	
Stem (breastwall)								
Concrete	59%	4+	\$51,200	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Both Abutments</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Water Seepage</i>								
Concrete	41%			LIFE			**	
Wingwalls								
Footings								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HENRY HUDSON PKWY, W. 158TH ST. HENRY HUDSON PKWY/W 158 ST**  
**Asset # : 2820**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Wingwalls								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Concrete	100%	4+	\$52,800	LIFE	**			
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Wingwalls At Both Abutments</i>					
			<i>Spalling, Extent : Light, Area Affected : 2%</i>					
			<i>Location : South Wingwall West Face</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Throughout All Wingwalls</i>					
			<i>Explanation : Missing Mortar Between And Underneath Granite Coping Stones</i>					
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Approaches								
Pavement								
Asphalt	100%			2029	\$547,500	4	\$14,700	
Concrete	100%			2037	**	4	\$23,500	
Embankment								
Generic	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**	5		
Railings/Parapets								
Concrete	100%			2037	**	4		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : End Approach</i>					
			<i>Explanation : Concrete Barrier</i>					
Steel	100%			LIFE	**			
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$1,336,400	
			<i>Corrosion, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Ends Of Cap Beam Cantilevers</i>					
Pier, Columns								
Steel	100%			LIFE	**	2-8	\$861,700	
Brngs, Ancr Blts, Pads								
Steel	100%			LIFE	**	2-8	\$8,700	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HENRY HUDSON PKWY, W. 158TH ST. HENRY HUDSON PKWY/W 158 ST**  
**Asset # : 2820**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Median</b>								
Concrete	100%			LIFE	**	5	\$32,000	
<b>Railings/Parapets</b>								
Concrete	20%	4+	\$19,400	2037	**	4	\$54,800	
	<i>Loss of Section, Extent : Light, Area Affected : 2%</i>							
	<i>Location : East And West Fascia At Bottom Of Lightpole</i>							
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Explanation : Rust Stains</i>							
Concrete	80%			2037	**	4	\$82,200	
Steel	100%			LIFE	**	2-8		
	<i>Rust Stains, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random Locations Throughout</i>							
<b>Wearing Surface</b>								
Concrete	100%	4+	\$175,100	2037	**	5	\$326,700	
	<i>Cracks, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Random Locations Throughout</i>							
<b>Scupper</b>								
Cast Iron	100%			LIFE	**			
	<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>							
	<i>Location : South Abutment West Side</i>							
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	65%	4+	\$1,523,700	LIFE	**	5	\$154,100	
	<i>Cracks, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Spalling, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Other Observation, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Explanation : Exposed Rebar With Light Corrosion</i>							
Concrete	35%			LIFE	**	5	\$154,100	
<b>Joints</b>								
Generic	100%	4+	\$51,200	LIFE	**			
	<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Leakage, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random Locations Throughout</i>							
<b>Primary Member</b>								
Steel	100%			LIFE	**	2-8	\$2,588,100	

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**HENRY HUDSON PKWY, W. 158TH ST. HENRY HUDSON PKWY/W 158 ST**  
**Asset # : 2820**

<b>Bridge Structure</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Superstructure Secondary Member Steel	100%	4+	\$458,400	LIFE	**	2-8	\$2,168,100	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Loss of Section, Extent : Light, Area Affected : 5%</i>								
<i>Location : Loss Of Sections At End Of Overhang Brackets</i>								

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : HENRY HUDSON PKWY. BRIDGE HENRY HUD PKY/AMTRAK 30 ST LINE  
 Address : AMTRAK, 94TH-98TH ST  
 Borough : MANHATTAN Agency's Number : N/A  
 Program / Asset # : DOT0080.000 / 2510 Yr Built/Renovated : 1936 /  
 Area Sq Ft : 60,258 Project Type : HIGHWAY BRIDGES  
 Date of Survey : 23-Sep-2016 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2267250

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$460,200	\$463,300
<b>Total</b>	<b>\$460,200</b>	<b>\$463,300</b>
Importance Code A	\$329,400	
Importance Code C	\$130,800	\$463,300
<b>Total</b>	<b>\$460,200</b>	<b>\$463,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$75,400	\$900	\$400	\$1,400
<b>Total</b>	<b>\$75,400</b>	<b>\$900</b>	<b>\$400</b>	<b>\$1,400</b>
Importance Code A	\$12,400	\$900	\$400	
Importance Code B	\$20,300			
Importance Code C	\$42,700			\$1,400
<b>Total</b>	<b>\$75,400</b>	<b>\$900</b>	<b>\$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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HENRY HUDSON PKWY. BRIDGE HENRY HUD PKY/AMTRAK 30 ST LINE**  
**Asset # : 2510**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Access To Tracks</i>								
Backwall								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Access To Tracks</i>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Access To Tracks</i>								
Footings								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Access To Tracks</i>								
Joint with Deck								
Generic	95%	4+	\$20,300	LIFE		**		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Generic	5%			LIFE		**		
Mat (scour & erosion)								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Access To Tracks</i>								
Pedestals								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Access To Tracks</i>								
Stem (breastwall)								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Access To Tracks</i>								
Walls								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HENRY HUDSON PKWY. BRIDGE HENRY HUD PKY/AMTRAK 30 ST LINE**  
**Asset # : 2510**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Wingwalls								
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Approaches								
Pavement								
Asphalt	100%	4+	\$30,700	2029	\$306,600	4	\$4,800	
			<i>Cracks, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Both Approaches</i>					
			<i>Spalling, Extent : Light, Area Affected : 3%</i>					
			<i>Location : Both Approaches</i>					
Concrete	100%	2-4	\$43,700	2037	**	4	\$33,900	
			<i>Cracks, Extent : Light, Area Affected : 4%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
Curbs								
Concrete	100%			LIFE	**			
Embankment								
Generic	100%			LIFE	**			
Guide Railing								
Concrete	65%	4+	\$4,400	2037	**	4	\$1,700	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Both Approaches</i>					
Concrete	35%			2037	**	4	\$2,600	
Steel	100%			LIFE	**	2-8	\$5,800	
			<i>Corrosion, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Begin Approach</i>					
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piers								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Not Accessible	100%							
Stem,Solid Pier								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HENRY HUDSON PKWY. BRIDGE HENRY HUD PKY/AMTRAK 30 ST LINE**  
**Asset # : 2510**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers								
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete	5%	4+	\$291,200	2048		**		
<i>Cracks, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	95%			2048		**		
Gratings								
Steel	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Spans 1 And 3</i>								
<i>Explanation : Rusted Areas; The Gratings Cover The Air Vents. Vents In Span 3 Are Good</i>								
Guide Railing								
Concrete	100%	4+	\$38,200	2041		**		
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : West Side</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : West Side</i>								
Mono Deck Surface								
Concrete	100%	4+	\$87,100	2048		**	5	\$156,700
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Steel	100%			LIFE		**	2-8	\$7,600
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout East Side</i>								
<i>Rust Stains, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout East Side</i>								
Stone Rough Work	100%	4+	\$8,100	LIFE		**	5	\$2,100
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : East Side, Spans 1 Through 6</i>								
<i>Explanation : Missing/ Loose Mortar In Joints/spall</i>								
Sidewalks								
Concrete	100%			2033		**	5	\$2,700
Scupper								
Ductile Iron	100%			LIFE		**		
Superstructure								
Deck, Structural								
Not Accessible	100%							
Joints								
Generic	100%	4+	\$12,000	LIFE		**		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**HENRY HUDSON PKWY. BRIDGE HENRY HUD PKY/AMTRAK 30 ST LINE**  
**Asset # : 2510**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Primary Member								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : No Access To Tracks</i>						
<hr/>								
Secondary Member								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : No Access To Tracks</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.*



**DEPARTMENT OF TRANSPORTATION - 841**  
**HIGHLAWN AVE BRIDGE OVER BMT SEA BEACH LINE**

**Asset # : 13597**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Not Accessible	100%							
Backwall Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Both Abutments</i>						
		<i>Explanation : Abutment Is Behind The Station Platform Wall</i>						
Brngs,Ancr Blts,Pads Elastomeric	100%			2049	**			
Footings Not Accessible	100%							
Joint with Deck Generic	100%			LIFE	**			
Stem (breastwall) Concrete	100%			LIFE	**			
		<i>Cracks, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Both Abutments</i>						
		<i>Leakage, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Both Abutments</i>						
Walls Concrete	100%			LIFE	**			
Wingwalls								
Footings Not Accessible	100%							
Piles Not Accessible	100%							
Walls Concrete	100%			LIFE	**			
Approaches								
Pavement Asphalt	100%			2030	**	4	\$6,700	
Concrete	100%			2038	**	4	\$6,000	
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations Throughout</i>						
Curbs Concrete w/ Steel Face	100%			LIFE	**			
Sidewalks Concrete	100%	4+	\$7,200	LIFE	**			
		<i>Cracks, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Random Locations Throughout</i>						
Deck Elements								
Curbs Concrete w/ Steel Face	100%			LIFE	**			
Mono Deck Surface Concrete	100%	4+	\$5,700	2049	**	5	\$16,900	
		<i>Cracks, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations Throughout</i>						

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**HIGHLAWN AVE BRIDGE OVER BMT SEA BEACH LINE**

**Asset # : 13597**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Railings/Parapets Concrete	100%			2038	**	4	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : South Fascia</i>								
<i>Explanation : Station Building At South Fascia Is Under The Construction And Not Accessible</i>								
Steel	100%			LIFE	**	2-8	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Fascia</i>								
<i>Explanation : Steel Screen Wall On Top Of Concrete Parapet</i>								
Sidewalks								
Concrete	100%			2034	**	5	\$6,600	
Superstructure								
Deck,Structural Concrete	100%			LIFE	**	5	\$24,900	
Joints								
Generic	100%			LIFE	**			
Primary Member								
Prestressed Concrete Box Beam	100%			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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : HUNTS POINT AVE. BRIDGE HUNTS POINT AVE./AMTRAK  
**Address** : HUNTS POINT AVE  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0183.000 / 13717 **Yr Built/Renovated** : 1908 / 1992  
**Area Sq Ft** : 13,700 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 23-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241190

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure		\$102,600
<b>Total</b>		<b>\$102,600</b>
Importance Code C		\$102,600
<b>Total</b>		<b>\$102,600</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$86,300	\$6,500	\$200	
<b>Total</b>	<b>\$86,300</b>	<b>\$6,500</b>	<b>\$200</b>	
Importance Code A	\$2,700		\$200	
Importance Code C	\$83,600	\$6,500		
<b>Total</b>	<b>\$86,300</b>	<b>\$6,500</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.*



**DEPARTMENT OF TRANSPORTATION - 841**  
**HUNTS POINT AVE. BRIDGE HUNTS POINT AVE./AMTRAK**

**Asset # : 13717**

Bridge Structure		Current 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>Approaches</b>								
<b>Pavement</b>								
Asphalt	80%			2029	\$82,000	4	\$4,000	
Asphalt	20%	4+	\$6,200	2029	\$20,500	4	\$2,700	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 50%</i>								
<i>Location : Beginning of Approach</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Approaches</i>								
<i>Explanation : Consists Of 75 Percent Asphalt And 25 Percent Concrete</i>								
Concrete	80%			2037	**	4	\$15,400	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Scattered Throughout</i>								
Concrete	20%	2-4	\$12,800	2037	**	4	\$10,300	
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout And Near Supports</i>								
<i>Spalling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Adjacent To Joints</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$1,000	LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Loose And Broken Elements</i>								
<b>Embankment</b>								
Earth	100%			LIFE	**			
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Railings/Parapets</b>								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : South Side Of Bridge</i>								
<i>Explanation : Steel Railing Of One Side Of Bridge Only</i>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$27,200	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : South Corner</i>								
<i>Explanation : Spalling With Exposed Rebar</i>								
<b>Deck Elements</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HUNTS POINT AVE. BRIDGE HUNTS POINT AVE./AMTRAK**

**Asset # : 13717**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE		**		
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Mono Deck Surface</b>								
Concrete	100%	4+	\$3,800	2048		**	5	\$28,100
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Railings/Parapets</b>								
Concrete	100%			2037		**	4	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : South Side Only</i>								
<i>Explanation : Concrete With Corrugated Steel Sheeting On South Side. No Parapets Due To Building On North Side.</i>								
Steel	100%	4+	\$1,700	LIFE		**	2-8	\$4,600
<i>Damaged Railing, Extent : Light, Area Affected : 1%</i>								
<i>Location : South Parapet</i>								
<hr/>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$10,600	2033		**	5	\$2,900
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Not Accessible	100%							
<hr/>								
<b>Joints</b>								
Not Accessible	100%							
<hr/>								
<b>Primary Member</b>								
Not Accessible	100%							
<hr/>								
<b>Secondary Member</b>								
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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : HUTCHINSON RIVER PARKWAY BRIDGE  
**Address** : HUTCHINSON RIVER PARKWAY  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0159.000 / 13567 **Yr Built/Renovated** : 1940 /  
**Area Sq Ft** : 15,444 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 22-Dec-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241959

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$598,600	\$497,000
<b>Total</b>	<b>\$598,600</b>	<b>\$497,000</b>
Importance Code A	\$407,300	\$305,700
Importance Code B	\$152,900	\$152,900
Importance Code C	\$38,400	\$38,400
<b>Total</b>	<b>\$598,600</b>	<b>\$497,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$183,500		\$86,900	
<b>Total</b>	<b>\$183,500</b>		<b>\$86,900</b>	
Importance Code A	\$121,800		\$33,400	
Importance Code B	\$27,800		\$15,300	
Importance Code C	\$33,900		\$38,100	
<b>Total</b>	<b>\$183,500</b>		<b>\$86,900</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HUTCHINSON RIVER PARKWAY BRIDGE**  
**Asset # : 13567**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Concrete	100%			LIFE	**			
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**			
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Stem (breastwall)								
Concrete	100%			LIFE	**			
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Concrete	4%	4+	\$31,300	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Joints Missing, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 30%</i>								
<i>Location : North Abutment West Face</i>								
Concrete	96%			LIFE	**			
<b>Approaches</b>								
Pavement								
Asphalt	100%			2030	**	4	\$25,300	
Concrete	100%			2038	**	4	\$51,000	
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Steel	100%	4+	\$31,500	LIFE	**	2-8	\$51,300	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South Approach East And West Face</i>								
<i>Explanation : Impact Damage</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**HUTCHINSON RIVER PARKWAY BRIDGE**  
**Asset # : 13567**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Median								
Concrete	100%			LIFE		**	5	
Railings/Parapets								
Masonry	60%	4+	\$8,600	2038		**		
	<i>Other Observation, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Explanation : Missing/ Eroded Joint Mortar And Misaligned Coping Stones</i>							
Masonry	40%			2038		**		
Sidewalks								
Concrete	30%	4+	\$2,600	LIFE		**		
	<i>Cracks, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Spalling, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Vegetation Growth, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Other Observation, Extent : Severe, Area Affected : 60%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Explanation : Dirt Accumulation</i>							
Concrete	70%			LIFE		**		
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : At East Side</i>							
	<i>Explanation : Only One Side Of The Bridge Has Curbs</i>							
Guide Railing								
Steel	100%			LIFE		**		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : At East Side</i>							
	<i>Explanation : Only One Side Of The Bridge Has Guide Railings</i>							
Median								
Concrete	100%			LIFE		**	5	\$3,500
Railings/Parapets								
Concrete	100%			2038		**	4	\$2,400
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : At West Side</i>							
	<i>Explanation : One Side Of The Bridge Has Concrete Parapets</i>							
Steel	100%	4+	\$12,000	LIFE		**	2-8	\$6,700
	<i>Corrosion, Extent : Moderate, Area Affected : 60%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : West Side</i>							
	<i>Explanation : One Side Of The Bridge Has Steel Parapets</i>							

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**HUTCHINSON RIVER PARKWAY BRIDGE**  
**Asset # : 13567**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Sidewalks								
Concrete	100%			2034	**	5	\$2,700	
<i>Other Observation, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Dirt Accumulation</i>								
Wearing Surface								
Concrete	100%			2038	**	5	\$76,800	
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$34,000	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Stay In Place Forms - Good Condition</i>								
Primary Member								
Steel	90%			LIFE	**	2-8	\$489,400	
Steel	10%	4+	\$254,500	LIFE	**	2-8	\$285,500	
<i>Corrosion, Extent : Light, Area Affected : 50%</i>								
<i>Location : Bottom Flanges</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$419,900	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								

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

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : LAFAYETTE AVE. BRIDGE LAFAYETTE AVE./AMTRAK  
**Address** : LAFAYETTE AVE.  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0181.000 / 13715 **Yr Built/Renovated** : 1906 /  
**Area Sq Ft** : 12,000 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 23-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2241169

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure		\$678,600
<b>Total</b>		<b>\$678,600</b>
Importance Code A		\$237,500
Importance Code B		\$118,800
Importance Code C		\$322,300
<b>Total</b>		<b>\$678,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$53,000		\$35,900	
<b>Total</b>	<b>\$53,000</b>		<b>\$35,900</b>	
Importance Code A	\$11,800		\$24,000	
Importance Code B			\$11,900	
Importance Code C	\$41,200			
<b>Total</b>	<b>\$53,000</b>		<b>\$35,900</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**LAFAYETTE AVE. BRIDGE LAFAYETTE AVE./AMTRAK**

**Asset # : 13715**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE			* *	
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location :</i>					
			<i>Explanation : No Access To The Tracks</i>					
<b>Feature Crossed</b>								
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
<b>Approaches</b>								
Pavement								
Asphalt	100%	4+	\$16,100	2029	\$322,300	4	\$6,700	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Settlement, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Both Approaches</i>					
			<i>Explanation : Consists Of 50 Percent Asphalt And 50 Percent Concrete</i>					
Concrete	100%	4+	\$10,000	2037			* *	\$25,700
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Both Approaches</i>					

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**LAFAYETTE AVE. BRIDGE LAFAYETTE AVE./AMTRAK**

**Asset # : 13715**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Concrete	100%			2037	**	4		
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**	5		
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Steel	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Sidewalks								
Concrete	100%			LIFE	**			
Deck Elements								
Guide Railing								
Concrete	100%			2041	**			
Median								
Concrete	100%			LIFE	**	5	\$2,800	
Mono Deck Surface								
Concrete	100%	4+	\$5,600	2048	**	5	\$33,400	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Concrete	100%	4+	\$8,200	2037	**	4	\$5,400	
<i>Cracks, Extent : Light, Area Affected : 3%</i>								
<i>Location : North Parapet</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Sides</i>								
<i>Explanation : Parapets Are Concrete With Corrugated Metal Sheetings</i>								
Steel	100%			LIFE	**	2-8	\$5,400	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Sidewalks								
Concrete	100%	4+	\$9,400	2033	**	5	\$5,000	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								

**Superstructure**

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**LAFAYETTE AVE. BRIDGE LAFAYETTE AVE./AMTRAK**

**Asset # : 13715**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Deck, Structural								
Not Accessible	100%							
Primary Member								
Steel	99%			LIFE	**	2-8	\$221,800	
			<i>Corrosion, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Paint Peeling</i>					
Steel	1%	4+	\$3,600	LIFE	**	2-8	\$221,800	
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : South Truss</i>					
			<i>Explanation : Impact Damage</i>					
Secondary Member								
Steel	100%			LIFE	**	2-8	\$185,800	

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : LIRR BUSHWICK DIVISION BRIDGE ATLANTIC AVE/LIRR ATLANTIC AVE  
 Address : ATLANTIC AVE,EASTERN-GEORGIA  
 Borough : BROOKLYN Agency's Number : N/A  
 Program / Asset # : DOT0065.000 / 2490 Yr Built/Renovated : 1942 /  
 Area Sq Ft : 135,162 Project Type : HIGHWAY BRIDGES  
 Date of Survey : 09-Sep-2015 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2243569

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$1,904,900	\$4,521,900
<b>Total</b>	<b>\$1,904,900</b>	<b>\$4,521,900</b>
Importance Code A	\$1,232,300	\$1,635,300
Importance Code B	\$151,400	\$1,425,700
Importance Code C	\$521,300	\$1,460,900
<b>Total</b>	<b>\$1,904,900</b>	<b>\$4,521,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$38,400		\$277,100	
<b>Total</b>	<b>\$38,400</b>		<b>\$277,100</b>	
Importance Code A			\$134,200	
Importance Code B			\$143,000	
Importance Code C	\$38,400			
<b>Total</b>	<b>\$38,400</b>		<b>\$277,100</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR BUSHWICK DIVISION BRIDGE ATLANTIC AVE/LIRR ATLANTIC AVE**  
**Asset # : 2490**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	2-4	\$104,400	LIFE			**	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : At Both Abutments</i>								
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%	4+	\$2,600	LIFE			**	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Has Brownstone/ Sandstone Facade</i>								
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Approaches								
Pavement								
Asphalt	50%			2028	\$408,900	4	\$19,300	
Asphalt	50%	4+	\$122,700	2028	\$408,900	4	\$12,900	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR BUSHWICK DIVISION BRIDGE ATLANTIC AVE/LIRR ATLANTIC AVE**  
**Asset # : 2490**

Bridge Structure		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Approaches									
Curbs									
Concrete	100%			LIFE	**				
Concrete w/ Steel Face	100%			LIFE	**				
Pavement Base									
Not Accessible	100%								
Sidewalks									
Concrete	100%			LIFE	**				
Piers									
Pier, Columns									
Concrete	100%			LIFE	**				
Steel	95%			LIFE	**	2-8	\$126,500		
<i>Other Observation, Extent : Light, Area Affected : 15%</i>									
<i>Location : Throughout</i>									
<i>Explanation : Peeling Paint And Minor Pitting</i>									
Steel	5%	4+	\$47,000	LIFE	**	2-8	\$126,500		
<i>Corrosion, Extent : Moderate, Area Affected : 60%</i>									
<i>Location : Random Locations Throughout</i>									
Footings									
Not Accessible	100%								
Mat (scour & erosion)									
Generic	100%			LIFE	**				
Pedestals									
Concrete	100%			LIFE	**				
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : At Base Of Columns</i>									
Piles									
Not Accessible	100%								
Deck Elements									
Median									
Concrete	100%	4+	\$479,700	LIFE	**	5	\$18,900		
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Random Locations Throughout</i>									
<i>Spalling, Extent : Light, Area Affected : 2%</i>									
<i>Location : Random Locations Throughout</i>									
Railings/Parapets									
Concrete	100%	4+	\$699,600	2036	**	4	\$69,700		
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Random Locations Throughout</i>									
Wearing Surface									
Concrete	15%	4+	\$29,400	2036	**	5	\$321,500		
<i>Spalling, Extent : Light, Area Affected : 10%</i>									
<i>Location : West End</i>									
Concrete	85%			2036	**	5	\$643,000		
Scupper									
Cast Iron	100%			LIFE	**				
Superstructure									

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR BUSHWICK DIVISION BRIDGE ATLANTIC AVE/LIRR ATLANTIC AVE**  
**Asset # : 2490**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Deck, Structural								
Concrete	93%			LIFE	**	5	\$148,800	
Concrete	7%	4+	\$53,000	LIFE	**	5	\$148,800	
<i>Cracks, Extent : Light, Area Affected : 50%</i>								
<i>Location : Cracks With Efflorescence</i>								
Joints								
Generic	100%	4+	\$77,100	LIFE	**			
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Bulging And Protruding Joint Filler Throughout</i>								
Primary Member								
Steel	100%			LIFE	**	2-8	\$2,498,700	
<i>Corrosion, Extent : Light, Area Affected : 2%</i>								
<i>Location : At Joints Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : In Masonry Joints</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Minor Pitting And Peeling Paint</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$2,093,200	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Minor Pitting And Peeling Paint</i>								

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : LIRR, AMT, CON NE BRIDGE 39 ST(SOUTH)/ AMTRAK, LIRR YARD  
**Address** : 39TH ST SO, NORTHERN-SKILLMAN  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0074.000 / 2498 **Yr Built/Renovated** : 1911 /  
**Area Sq Ft** : 32,550 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 02-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2247640

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$227,900	\$420,500
<b>Total</b>	<b>\$227,900</b>	<b>\$420,500</b>
Importance Code C	\$227,900	\$420,500
<b>Total</b>	<b>\$227,900</b>	<b>\$420,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$37,500		\$3,400	
<b>Total</b>	<b>\$37,500</b>		<b>\$3,400</b>	
Importance Code A	\$31,100		\$1,100	
Importance Code C	\$6,400		\$2,400	
<b>Total</b>	<b>\$37,500</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR, AMT, CON NE BRIDGE 39 ST(SOUTH)/ AMTRAK, LIRR YARD**

**Asset # : 2498**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE		**		
			<i>Leakage, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Both Abutments</i>					
			<i>Misaligned/Bulging, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Mat (scour & erosion)								
Riprap	100%			LIFE		**		
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Riprap	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE		**		
<b>Approaches</b>								
Pavement								
Asphalt	100%	4+	\$42,100	2028	\$420,500	4	\$9,600	
			<i>Cracks, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	100%	4+	\$109,300	2036	**	4	\$36,700	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
Curbs								
Concrete w/ Steel Face	100%	4+	\$4,600	LIFE	**			
			<i>Corrosion, Extent : Severe, Area Affected : 40%</i>					
			<i>Location : Throughout</i>					
Embankment								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR, AMT, CON NE BRIDGE 39 ST(SOUTH)/ AMTRAK, LIRR YARD**

**Asset # : 2498**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Guide Railing								
Concrete	100%			2036	**	4		
		Cracks, Extent : Light, Area Affected : 5%						
		Location : Random Locations Throughout						
		Other Observation, Extent : Light, Area Affected : 80%						
		Location : Throughout						
		Explanation : Peeling Paint						
Steel	100%			LIFE	**	2-8	\$9,900	
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2036	**	4		
Steel	100%			LIFE	**			
Sidewalks								
Concrete	100%	4+	\$5,200	LIFE	**			
		Cracks, Extent : Light, Area Affected : 2%						
		Location : Random Locations Throughout						
		Vegetation Growth, Extent : Severe, Area Affected : 40%						
		Location : Throughout						
Piers								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Not Accessible	100%							
Stem,Solid Pier								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%	4+	\$26,500	LIFE	**			
		Corrosion, Extent : Severe, Area Affected : 40%						
		Location : Throughout						
Mono Deck Surface								
Concrete	80%			2047	**	5	\$4,800	
Concrete	20%	4+	\$1,200	2047	**	5	\$2,400	
		Cracks, Extent : Moderate, Area Affected : 20%						
		Location : Transverse Cracks Throughout						

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR, AMT, CON NE BRIDGE 39 ST(SOUTH)/ AMTRAK, LIRR YARD**

**Asset # : 2498**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements								
Railings/Parapets Concrete	100%			2036	**	4		
<i>Cracks, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations Throughout</i> <i>Other Observation, Extent : Moderate, Area Affected : 80%</i> <i>Location : Throughout</i> <i>Explanation : Peeling Paint And Graffiti</i>								
Steel	100%			LIFE	**	2-8	\$22,300	
Sidewalks								
Concrete	100%	4+	\$76,600	2032	**	5	\$10,800	
<i>Cracks, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations Throughout</i> <i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i> <i>Location : At Interface With Curb</i>								
Scupper								
Cast Iron	100%			LIFE	**			
Superstructure								
Deck,Structural Not Accessible	100%							
Joints								
Generic	100%			LIFE	**			
<i>Leakage, Extent : Light, Area Affected : 10%</i> <i>Location : Both Abutments</i> <i>Misaligned/Bulging, Extent : Light, Area Affected : 10%</i> <i>Location : Random Locations Throughout</i>								
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : LIRR, AMT, CON NE BRIDGE 39 STREET(NORTH)/SUNNYSIDE YARDS  
**Address** : 39TH ST NO, NORTHERN-SKILLMAN  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0073.000 / 2497 **Yr Built/Renovated** : 1910 /  
**Area Sq Ft** : 45,446 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 02-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2247330

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$867,100	\$1,864,900
<b>Total</b>	<b>\$867,100</b>	<b>\$1,864,900</b>
Importance Code A	\$80,600	\$22,300
Importance Code C	\$786,400	\$1,842,600
<b>Total</b>	<b>\$867,100</b>	<b>\$1,864,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$15,300		\$2,900	
<b>Total</b>	<b>\$15,300</b>		<b>\$2,900</b>	
Importance Code A	\$15,300		\$2,900	
Importance Code C				
<b>Total</b>	<b>\$15,300</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR, AMT, CON NE BRIDGE 39 STREET(NORTH)/SUNNYSIDE YARDS**

**Asset # : 2497**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE		**		
			<i>Leakage, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Both Abutments</i>					
			<i>Misaligned/Bulging, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Riprap	100%			LIFE		**		
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Riprap	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Feature Crossed</b>								
Bank Protection								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Not Accessible	100%							
<b>Approaches</b>								
Pavement								
Asphalt	100%	4+	\$140,600	2028	\$1,405,800	4	\$19,200	
			<i>Cracks, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : At Joint At South Abutment</i>					
Concrete	100%	4+	\$91,800	2036	**	4	\$30,800	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR, AMT, CON NE BRIDGE 39 STREET(NORTH)/SUNNYSIDE YARDS**

**Asset # : 2497**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Curbs								
Concrete w/ Steel Face	100%	4+	\$3,700	LIFE		**		
<i>Corrosion, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Embankment								
Not Accessible	100%							
Guide Railing								
Concrete	100%			2036		**	4	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Peeling Paint</i>								
Steel	100%			LIFE		**	2-8	\$19,800
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Riprap	100%			LIFE		**		
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2036		**	4	
Steel	100%			LIFE		**		
Sidewalks								
Concrete	100%	4+	\$75,100	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Piers								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Not Accessible	100%							
Stem,Solid Pier								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Pedestals								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Deck Elements								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR, AMT, CON NE BRIDGE 39 STREET(NORTH)/SUNNYSIDE YARDS**

**Asset # : 2497**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$80,600	LIFE	**			
<i>Corrosion, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<hr/>								
<b>Mono Deck Surface</b>								
Concrete	20%	4+	\$56,100	2047	**	5	\$218,400	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Transverse Cracks</i>								
Concrete	80%			2047	**	5	\$436,800	
<hr/>								
<b>Railings/Parapets</b>								
Concrete	100%			2036	**	4	\$34,600	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Steel	100%			LIFE	**	2-8	\$68,000	
<hr/>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$204,500	2032	**	5	\$28,800	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Interface With Curb</i>								
<hr/>								
<b>Scupper</b>								
Cast Iron	100%			LIFE	**			
<hr/>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Not Accessible	100%							
<hr/>								
<b>Joints</b>								
Generic	100%			LIFE	**			
<i>Leakage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Both Abutments</i>								
<i>Misaligned/Bulging, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Primary Member</b>								
Not Accessible	100%							
<hr/>								
<b>Secondary Member</b>								
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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : LIRR, AMT, CON NE BRIDGE HONEYWELL ST/AMTRAK, LIRR YARD  
**Address** : HONEYWELL,NORTHERN-SKILLMAN AV  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0072.000 / 2496 **Yr Built/Renovated** : 1910 / 2006  
**Area Sq Ft** : 104,561 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 21-Nov-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2247320

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$229,900	\$10,314,100
<b>Total</b>	<b>\$229,900</b>	<b>\$10,314,100</b>
Importance Code A	\$22,000	\$22,000
Importance Code C	\$207,900	\$10,292,100
<b>Total</b>	<b>\$229,900</b>	<b>\$10,314,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$119,000		\$2,400	
<b>Total</b>	<b>\$119,000</b>		<b>\$2,400</b>	
Importance Code A	\$20,100		\$2,400	
Importance Code C	\$99,000			
<b>Total</b>	<b>\$119,000</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR, AMT, CON NE BRIDGE HONEYWELL ST/AMTRAK, LIRR YARD**  
**Asset # : 2496**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE		**		
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%	4+	\$21,200	2030		**	4	\$16,300
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					
Concrete	100%	4+	\$6,100	2038		**	4	\$10,300
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : North Approach</i>					
			<i>Spalling, Extent : Light, Area Affected : 1%</i>					
			<i>Location : North Approach</i>					
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE		**		
<b>Embankment</b>								
Earth	100%			LIFE		**		
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE		**		
<b>Railings/Parapets</b>								
Concrete	100%			2038		**	4	
Steel	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR, AMT, CON NE BRIDGE HONEYWELL ST/AMTRAK, LIRR YARD**  
**Asset # : 2496**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Sidewalks								
Concrete	100%			LIFE		**		
Piers								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Not Accessible	100%							
Stem,Solid Pier								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
Railings/Parapets								
Concrete	100%			2038		**	4	
Steel	100%			LIFE		**	2-8	\$108,900
Sidewalks								
Concrete	20%	4+	\$18,000	2034		**	5	\$31,700
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	80%			2024	\$3,601,300		5	\$63,400
Wearing Surface								
Concrete	15%	4+	\$21,900	2038		**	5	\$207,900
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	85%			2025	\$6,211,600		5	\$415,800
Scupper								
Cast Iron	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Total Of 6 Scuppers</i>								
Superstructure								
Deck,Structural								
Not Accessible	100%							
Joints								
Generic	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR, AMT, CON NE BRIDGE HONEYWELL ST/AMTRAK, LIRR YARD**  
**Asset # : 2496**

<b>Bridge Structure</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Superstructure								
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : LIRR, AMT, CON NE BRIDGE QUEENS BLVD/AMTRAK AND LIRR YARD  
 Address : QUEENS BLVD, JACKSON-SKILLMAN  
 Borough : QUEENS Agency's Number : N/A  
 Program / Asset # : DOT0071.000 / 2495 Yr Built/Renovated : 1910 /  
 Area Sq Ft : 92,432 Project Type : HIGHWAY BRIDGES  
 Date of Survey : 28-Nov-2017 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2247310

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$289,300	\$3,910,100
<b>Total</b>	<b>\$289,300</b>	<b>\$3,910,100</b>
Importance Code A		\$1,609,800
Importance Code C	\$289,300	\$2,300,300
<b>Total</b>	<b>\$289,300</b>	<b>\$3,910,100</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$132,900		\$1,600	
<b>Total</b>	<b>\$132,900</b>		<b>\$1,600</b>	
Importance Code A	\$49,800		\$1,600	
Importance Code C	\$83,100			
<b>Total</b>	<b>\$132,900</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR, AMT, CON NE BRIDGE QUEENS BLVD/AMTRAK AND LIRR YARD**  
**Asset # : 2495**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE		**		
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Feature Crossed</b>								
Bank Protection								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Not Accessible	100%							
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	51%	4+	\$15,100	2030		**	4	\$8,100
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Settlement, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Asphalt	49%			2023	\$289,300		4	\$12,100
Concrete	100%			2038	**		4	
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE		**		
<b>Embankment</b>								
Generic	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR, AMT, CON NE BRIDGE QUEENS BLVD/AMTRAK AND LIRR YARD**  
**Asset # : 2495**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Railings/Parapets								
Steel	100%			LIFE			* *	
Sidewalks								
Concrete	100%	4+	\$3,700	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Settlement, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Northeast Electrical Box</i>					
			<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
Piers								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Not Accessible	100%							
Stem,Solid Pier								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Deck Elements								
Guide Railing								
Concrete	40%	4+	\$21,500	2042			* *	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	60%			2027	\$1,609,800			
Steel	100%			LIFE			* *	
Railings/Parapets								
Steel	100%			LIFE		* *	2-8	\$73,400
Sidewalks								
Concrete	25%	4+	\$15,100	2034		* *	5	\$21,200
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	75%			2024	\$2,257,900	5		\$42,400

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR, AMT, CON NE BRIDGE QUEENS BLVD/AMTRAK AND LIRR YARD**

**Asset # : 2495**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Wearing Surface								
Concrete	100%			2038		**	5	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Scupper								
Cast Iron	11%	2-4	\$15,500	LIFE		**		
<i>Drains Clogged, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Total Of 24 Scuppers</i>								
Cast Iron	89%			LIFE		**		
Superstructure								
Deck, Structural								
Not Accessible	100%							
Joints								
Generic	100%	4+	\$8,600	LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Depressed Seal With Dirt And Debris</i>								
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : LIRR, AMT, CON NE BRIDGE THOMSON AVE/AMTRAK YARD  
**Address** : THOMSON AVE, JACKSON-SKILLMAN  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0070.000 / 2494 **Yr Built/Renovated** : 1908 /  
**Area Sq Ft** : 59,840 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 21-Nov-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2247300

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$54,900		\$135,200	\$14,700
<b>Total</b>	<b>\$54,900</b>		<b>\$135,200</b>	<b>\$14,700</b>
Importance Code A	\$31,400		\$13,200	
Importance Code C	\$23,600		\$121,900	\$14,700
<b>Total</b>	<b>\$54,900</b>		<b>\$135,200</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR, AMT, CON NE BRIDGE THOMSON AVE/AMTRAK YARD**

**Asset # : 2494**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE		**		
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%	4+	\$12,000	2030		**	4	\$63,700
			<i>Cracks, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Throughout</i>					
			<i>Settlement, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	8%	4+	\$11,600	2038		**	4	\$243,900
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	92%			2038		**	4	\$243,900
<b>Curbs</b>								
Concrete w/ Steel Face	30%	4+	\$11,100	LIFE		**		
			<i>Rust Stains, Extent : Moderate, Area Affected : 70%</i>					
			<i>Location : Throughout</i>					
Concrete w/ Steel Face	70%			LIFE		**		
<b>Embankment</b>								
Earth	100%			LIFE		**		
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR, AMT, CON NE BRIDGE THOMSON AVE/AMTRAK YARD**

**Asset # : 2494**

Bridge Structure		Current 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>Approaches</b>								
Railings/Parapets Concrete	100%			2038	**	4	\$800	
		<i>Cracks, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Random Locations Throughout</i>						
Steel	100%			LIFE	**			
<b>Sidewalks</b>								
Concrete	100%			LIFE	**			
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Throughout</i>						
<b>Piers</b>								
Cap Beam Not Accessible	100%							
Pier,Columns Not Accessible	100%							
Stem,Solid Pier Not Accessible	100%							
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Mat (scour & erosion) Not Accessible	100%							
Pedestals Not Accessible	100%							
Piles Not Accessible	100%							
<b>Deck Elements</b>								
Curbs Concrete w/ Steel Face	100%			LIFE	**			
		<i>Rust Stains, Extent : Light, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location :</i>						
		<i>Explanation : Located On North Side</i>						
Guide Railing Concrete	100%			2042	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : South Side</i>						
		<i>Explanation : Concrete Barrier Acting As Guide Rail</i>						
Railings/Parapets Concrete	100%			2038	**	4	\$23,400	
Steel	100%			LIFE	**	2-8	\$52,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location :</i>						
		<i>Explanation : Solid Vertical Panels On Both Sides</i>						
Sidewalks Concrete	100%			2034	**	5	\$30,300	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**LIRR, AMT, CON NE BRIDGE THOMSON AVE/AMTRAK YARD**

**Asset # : 2494**

<b>Bridge Structure</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Deck Elements								
Wearing Surface								
Concrete	100%			2038	**	5	\$29,500	
Superstructure								
Deck, Structural								
Not Accessible	100%							
Joints								
Generic	100%			LIFE	**			
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : LONG ISLAND EXPWY BRIDGE LONG ISLAND EXPWY/WOODHAVEN BLVD  
**Address** : WOODHAVEN BLVD  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0002.000 / 2461 **Yr Built/Renovated** : 1955 / 2006  
**Area Sq Ft** : 25,288 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 29-Nov-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2066002

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$602,100	\$1,169,600
<b>Total</b>	<b>\$602,100</b>	<b>\$1,169,600</b>
Importance Code A	\$311,000	\$306,000
Importance Code B	\$291,100	\$250,300
Importance Code C		\$613,400
<b>Total</b>	<b>\$602,100</b>	<b>\$1,169,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$245,000		\$50,200	
<b>Total</b>	<b>\$245,000</b>		<b>\$50,200</b>	
Importance Code A	\$123,100		\$25,100	
Importance Code B	\$58,600		\$25,100	
Importance Code C	\$63,300			
<b>Total</b>	<b>\$245,000</b>		<b>\$50,200</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**LONG ISLAND EXPWY BRIDGE LONG ISLAND EXPWY/WOODHAVEN BLVD**  
**Asset # : 2461**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE			**	
Backwall								
Concrete	100%	4+	\$5,500	LIFE			**	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Rust Stains, Extent : Light, Area Affected : 5%</i>					
			<i>Location : East Abutment</i>					
			<i>Spalling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : West Abutment</i>					
Brngs,Ancr Blts,Pads								
Generic	100%			LIFE			**	
			<i>Rust Stains, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE			**	
Pedestals								
Concrete	100%			LIFE			**	
Stem (breastwall)								
Concrete	100%	4+	\$13,100	LIFE			**	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : East Abutment</i>					
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Concrete	40%	4+	\$15,300	LIFE			**	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : East Abutment</i>					
Concrete	60%			LIFE			**	
Approaches								
Pavement								
Concrete	100%	4+	\$21,900	2038		**	4	\$38,500
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Embankment								
Earth	100%			LIFE			**	
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Median								
Concrete	100%			LIFE		**	5	

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**LONG ISLAND EXPWY BRIDGE LONG ISLAND EXPWY/WOODHAVEN BLVD**  
**Asset # : 2461**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Railings/Parapets								
Concrete	100%			2038	**	4		
Piers								
Stem,Solid Pier								
Concrete	22%	4+	\$40,800	LIFE	**			
			<i>Cracks, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 2%</i>					
			<i>Location : East Face Of Pier</i>					
Concrete	78%			LIFE	**			
Brngs,Ancr Blts,Pads								
Generic	100%			LIFE	**			
			<i>Rust Stains, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Median								
Concrete	100%			LIFE	**	5	\$23,500	
Mono Deck Surface								
Concrete	50%	4+	\$20,600	2049	**	5	\$67,200	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
Concrete	50%			2029	\$411,800	5	\$134,400	
Railings/Parapets								
Concrete	100%			2038	**	4		
Superstructure								
Deck,Structural								
Concrete	57%	4+	\$60,700	LIFE	**	5	\$27,800	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Fascia Overhangs And Light Blister</i>					
			<i>Rust Stains, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Underside Of Stay-in-place Forms</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : All Bays Except The Center Bay</i>					
			<i>Explanation : Covered By Stay-In-Place Forms, Some Corroded Areas With Efflorescence</i>					
Concrete	43%			LIFE	**	5	\$55,700	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**LONG ISLAND EXPWY BRIDGE LONG ISLAND EXPWY/WOODHAVEN BLVD**  
**Asset # : 2461**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Primary Member								
Steel	100%			LIFE	* *	2-8	\$801,300	
		<i>Rust Stains, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations Throughout</i>						
Secondary Member								
Steel	100%			LIFE	* *	2-8	\$687,500	
		<i>Rust Stains, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations Throughout</i>						

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : LONGWOOD AVE. BRIDGE  
**Address** : LONGWOOD AVE. / AMTRAK RAILS  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0180.000 / 13714 **Yr Built/Renovated** : 1908 /  
**Area Sq Ft** : 10,625 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 23-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241159

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$36,300	\$522,600
<b>Total</b>	<b>\$36,300</b>	<b>\$522,600</b>
Importance Code C	\$36,300	\$522,600
<b>Total</b>	<b>\$36,300</b>	<b>\$522,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$96,900		\$200	
<b>Total</b>	<b>\$96,900</b>		<b>\$200</b>	
Importance Code A	\$4,700		\$200	
Importance Code B	\$14,900			
Importance Code C	\$77,300			
<b>Total</b>	<b>\$96,900</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**LONGWOOD AVE. BRIDGE**  
**Asset # : 13714**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$14,900	LIFE			**	
			<i>Loose Elements, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Both Abutments</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Both Abutments</i>					
			<i>Explanation : Deteriorated Joint Membrane</i>					
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Concrete	10%	4+	\$22,100	LIFE			**	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Both Abutments</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Both Abutments</i>					
Concrete	90%			LIFE			**	
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Approaches								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**LONGWOOD AVE. BRIDGE**  
**Asset # : 13714**

Bridge Structure		Current 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>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%	4+	\$26,100	2029	\$522,600	4	\$10,900	
<i>Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Approaches</i>								
<i>Explanation : Consists Of 20 Percent Asphalt And 80 Percent Concrete</i>								
Concrete	100%	4+	\$16,300	2037	**	4	\$41,600	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Both Abutments</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Embankment</b>								
Earth	100%			LIFE	**			
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Railings/Parapets</b>								
Concrete	100%			2037	**	4		
Steel	100%			LIFE	**			
<b>Sidewalks</b>								
Concrete	100%	4+	\$5,500	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : Northeast Approach</i>								
<b>Piers</b>								
<b>Stem,Solid Pier</b>								
Not Accessible	100%							
<b>Brngs,Ancr Blts,Pads</b>								
Not Accessible	100%							
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Not Accessible	100%							
<b>Pedestals</b>								
Not Accessible	100%							
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**LONGWOOD AVE. BRIDGE**  
**Asset # : 13714**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<hr/>								
<b>Railings/Parapets</b>								
Concrete	100%	4+	\$4,700	2037		**	4	\$3,100
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : North Parapet</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Sides</i>								
<i>Explanation : Parapet Is Concrete With Corrugated Steel</i>								
Steel	100%			LIFE		**	2-8	\$4,300
<hr/>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$7,300	2033		**	5	\$3,900
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Wearing Surface</b>								
Concrete	100%	4+	\$36,300	2037		**	5	\$31,500
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Not Accessible	100%							
<hr/>								
<b>Joints</b>								
Generic	100%			LIFE		**		
<hr/>								
<b>Primary Member</b>								
Not Accessible	100%							
<hr/>								
<b>Secondary Member</b>								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : METRO NORTH BRIDGE E 149 ST/METRO NORTH RR HAR  
**Address** : E149TH ST, PARK AVE.  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0056.000 / 2481 **Yr Built/Renovated** : 1906 /  
**Area Sq Ft** : 27,900 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 31-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241560

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$39,800	\$1,112,400
<b>Total</b>	<b>\$39,800</b>	<b>\$1,112,400</b>
Importance Code A		\$276,100
Importance Code B		\$276,100
Importance Code C	\$39,800	\$560,100
<b>Total</b>	<b>\$39,800</b>	<b>\$1,112,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$102,100	\$4,000	\$55,800	\$16,200
<b>Total</b>	<b>\$102,100</b>	<b>\$4,000</b>	<b>\$55,800</b>	<b>\$16,200</b>
Importance Code A	\$13,100		\$28,100	
Importance Code B	\$16,400		\$27,700	
Importance Code C	\$72,500	\$4,000		\$16,200
<b>Total</b>	<b>\$102,100</b>	<b>\$4,000</b>	<b>\$55,800</b>	<b>\$16,200</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**METRO NORTH BRIDGE E 149 ST/METRO NORTH RR HAR**

**Asset # : 2481**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	50%			LIFE			**	
Generic	50%	4+	\$16,400	LIFE			**	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Debris At Joint</i>								
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE			**	
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Pier Protection								
Concrete	100%			LIFE			**	
Approaches								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**METRO NORTH BRIDGE E 149 ST/METRO NORTH RR HAR**

**Asset # : 2481**

Bridge Structure		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>Approaches</b>								
<b>Pavement</b>								
Asphalt	80%			2029	\$409,000	4	\$12,100	
Asphalt	20%	4+	\$10,200	2029	\$102,300	4	\$8,100	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Deteriorated Area More Severe On East Side</i>								
<i>Settlement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Abutment North Side</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	100%	4+	\$39,800	2037	**	4	\$30,800	
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Both Approaches</i>								
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : West Approach North Side</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$4,800	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Side And West Side Of North Approach</i>								
<b>Embankment</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Railings/Parapets</b>								
Steel	75%			LIFE	**			
Steel	25%	2-4	\$3,000	LIFE	**			
<i>Damaged Railing, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$4,100	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Southeast Sidewalk</i>								
<b>Piers</b>								
<b>Cap Beam</b>								
Not Accessible	100%							
<b>Pier,Columns</b>								
Not Accessible	100%							
<b>Stem,Solid Pier</b>								
Not Accessible	100%							
<b>Brngs,Ancr Blts,Pads</b>								
Not Accessible	100%							
<b>Footings</b>								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**METRO NORTH BRIDGE E 149 ST/METRO NORTH RR HAR**  
**Asset # : 2481**

Bridge Structure		Current 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>Piers</b>								
Mat (scour & erosion)								
Generic	100%			LIFE	**			
<b>Pedestals</b>								
Not Accessible	100%							
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Median</b>								
Concrete	100%	4+	\$5,300	LIFE	**	5	\$1,100	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Railings/Parapets</b>								
Steel	100%			LIFE	**	2-8	\$11,900	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Sidewalks</b>								
Concrete	25%	4+	\$24,900	2033	**	5	\$16,200	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	75%			2033	**	5	\$32,400	
<b>Wearing Surface</b>								
Concrete	100%	4+	\$29,700	2037	**	5	\$48,900	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Near West Approach</i>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Not Accessible	100%							
<b>Joints</b>								
Generic	100%	4+	\$3,600	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Deteriorated Filler, Only One Joint At Span 5.</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**METRO NORTH BRIDGE E 149 ST/METRO NORTH RR HAR**

**Asset # : 2481**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Primary Member								
Steel	100%			LIFE	**	2-8	\$515,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underside Of Deck</i>								
<i>Explanation : Not Accessible For Inspection. Requires Railroad Flagman</i>								
<hr/>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$432,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underside Of Bridge</i>								
<i>Explanation : Not Accessible For Inspection. Requires Railroad Flagman</i>								

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : METRO NORTH BRIDGE E 241 ST/BRCP, METRO NORTH HAR  
 Address : E241ST ST,BX RIV RD,CARPENTER  
 Borough : BRONX Agency's Number : N/A  
 Program / Asset # : DOT0058.000 / 2483 Yr Built/Renovated : 1913 /  
 Area Sq Ft : 49,501 Project Type : HIGHWAY BRIDGES  
 Date of Survey : 08-Sep-2015 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2241890

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$1,250,400	\$2,153,300
<b>Total</b>	<b>\$1,250,400</b>	<b>\$2,153,300</b>
Importance Code A	\$326,100	\$794,800
Importance Code B	\$344,600	\$899,700
Importance Code C	\$579,700	\$458,800
<b>Total</b>	<b>\$1,250,400</b>	<b>\$2,153,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$55,500		\$166,000	
<b>Total</b>	<b>\$55,500</b>		<b>\$166,000</b>	
Importance Code A	\$7,100		\$75,800	
Importance Code B			\$90,200	
Importance Code C	\$48,400			
<b>Total</b>	<b>\$55,500</b>		<b>\$166,000</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**METRO NORTH BRIDGE E 241 ST/BRCP, METRO NORTH HAR**

**Asset # : 2483**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%	4+	\$7,100	LIFE		**		
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : West Abutment</i>								
Backwall Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Joint with Deck Generic	100%	4+	\$41,700	LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Damaged Joint Membrane</i>								
Mat (scour & erosion) Generic	100%			LIFE		**		
Pedestals Concrete	100%			LIFE		**		
Stem (breastwall) Concrete	100%	4+	\$302,900	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : West Abutment</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : West Abutment</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion) Generic	100%			LIFE		**		
Piles Not Accessible	100%							
Walls Concrete	100%	4+	\$385,000	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : West Abutment</i>								
<i>Efflorescence, Extent : Light, Area Affected : 2%</i>								
<i>Location : West Abutment</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : West Abutment</i>								
Feature Crossed								
Mat (scour & erosion) Generic	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**METRO NORTH BRIDGE E 241 ST/BRCP, METRO NORTH HAR**  
**Asset # : 2483**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed								
Pier Protection								
Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Piers</i>								
<i>Explanation : Concrete Crash Wall</i>								
Approaches								
Pavement								
Asphalt	100%	4+	\$17,700	2028	\$354,100	4	\$5,100	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	100%	4+	\$27,500	2036	**	4	\$18,500	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
<i>Corrosion, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
Embankment								
Generic	100%			LIFE		**		
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Steel	100%			LIFE		**		
Sidewalks								
Concrete	100%	4+	\$3,100	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$579,000	
Pier, Columns								
Concrete	100%			LIFE	**			
Steel	100%			LIFE	**	2-8	\$1,179,800	
Stem, Solid Pier								
Concrete	100%			LIFE	**			
Brngs, Ancr Blts, Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**METRO NORTH BRIDGE E 241 ST/BRCP, METRO NORTH HAR**

**Asset # : 2483**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Steel Facing</i>								
Railings/Parapets								
Steel	100%			LIFE		**	2-8	\$42,300
Sidewalks								
Concrete	100%	4+	\$84,900	2032		**	5	\$11,900
<i>Cracks, Extent : Light, Area Affected : 8%</i>								
<i>Location : Light Random Map Cracking</i>								
Wearing Surface								
Concrete	100%	4+	\$73,600	2036		**	5	\$104,700
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Scupper								
Cast Iron	100%			LIFE		**		
Superstructure								
Deck, Structural								
Concrete	100%	4+	\$326,100	LIFE		**	5	\$54,500
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Construction Joint At Center Bay</i>								
<i>Efflorescence, Extent : Light, Area Affected : 2%</i>								
<i>Location : Light Random Cracks With Efflorescence</i>								
Joints								
Generic	100%	4+	\$36,300	LIFE		**		
<i>Misaligned/Bulging, Extent : Light, Area Affected : 10%</i>								
<i>Location : Numerous Joint Fillers Are Bulging And Failed</i>								
Primary Member								
Steel	100%			LIFE		**	2-8	\$915,100
<i>Corrosion, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
Secondary Member								
Steel	100%			LIFE		**	2-8	\$766,600
<i>Corrosion, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : MILLER HIGHWAY BRIDGE MILLER HIGHWAY/TERRAIN  
**Address** : 59TH ST - 72ND ST  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0076.090 / 4177 **Yr Built/Renovated** : 1931 /  
**Area Sq Ft** : 307,370 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 24-Aug-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2257569

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$4,271,900	\$8,705,300
<b>Total</b>	<b>\$4,271,900</b>	<b>\$8,705,300</b>
Importance Code A	\$3,835,800	\$5,671,500
Importance Code B		\$3,033,800
Importance Code C	\$436,200	
<b>Total</b>	<b>\$4,271,900</b>	<b>\$8,705,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$73,700		\$812,800	
<b>Total</b>	<b>\$73,700</b>		<b>\$812,800</b>	
Importance Code A	\$55,400		\$508,600	
Importance Code B			\$304,300	
Importance Code C	\$18,200			
<b>Total</b>	<b>\$73,700</b>		<b>\$812,800</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**MILLER HIGHWAY BRIDGE MILLER HIGHWAY/TERRAIN**

**Asset # : 4177**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Approaches								
Pavement								
Concrete	100%			2036	**	4	\$54,700	
Piers								
Pier,Columns								
Concrete	100%			LIFE	**			
		<i>Cracks, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations Along Column Faces And Throughout</i>						
		<i>Rust Stains, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Spalling, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Random Locations Throughout</i>						
Steel	100%			LIFE	**	2-8	\$1,487,500	
		<i>Corrosion, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Rust Stains, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Throughout</i>						
		<i>Other Observation, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Explanation : Vegetation Growth</i>						
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**	2-8	\$85,100	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Median								
Concrete	100%			LIFE	**	5	\$40,500	
Railings/Parapets								
Concrete	100%			2036	**	4	\$166,300	
Wearing Surface								
Concrete	100%			2036	**	5		
Scupper								
Cast Iron	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Deck</i>						
		<i>Explanation : 204 Scuppers</i>						
Superstructure								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**MILLER HIGHWAY BRIDGE MILLER HIGHWAY/TERRAIN**

**Asset # : 4177**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Superstructure								
Deck, Structural								
	Concrete	98%			LIFE	**	5	\$279,900
	Concrete	2%			LIFE	**	5	\$279,900
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Corrosion To Stay - In - Place Forms In Several Random Bays</i>								
Joints								
	Generic	100%	4+	\$436,200	LIFE	**		
<i>Leakage, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : At Inside Face Of Fascia Girders Below Deck Joints</i>								
<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Over Several Piers</i>								
<i>Rust Stains, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : At Inner Faces Of Fascia Girders Below Deck Joints</i>								
Primary Member								
	Steel	14%	4+	\$3,835,800	LIFE	**	2-8	\$4,701,600
<i>Corrosion, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Girders, Floor Beams, Web And Flanges At Deck Joints And Drainage Pipes</i>								
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout Superstructure Steel</i>								
<i>Explanation : Fading Paint Color, Rust Flakes To Light Rusting. Paint System Is Failing</i>								
	Steel	86%			LIFE	**	2-8	\$4,701,600
Secondary Member								
	Steel	100%			LIFE	**	2-8	\$3,938,500

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : NASSAU STREET BRIDGE B.Q.E./NASSAU STREET  
**Address** : 278I  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0018.000 / 2451 **Yr Built/Renovated** : 1956 / 2006  
**Area Sq Ft** : 51,200 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 11-Dec-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2230510

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$1,143,100	\$1,199,300
<b>Total</b>	<b>\$1,143,100</b>	<b>\$1,199,300</b>
Importance Code A	\$636,800	\$693,100
Importance Code B	\$506,300	\$506,300
<b>Total</b>	<b>\$1,143,100</b>	<b>\$1,199,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$403,000		\$116,000	
<b>Total</b>	<b>\$403,000</b>		<b>\$116,000</b>	
Importance Code A	\$262,700		\$59,300	
Importance Code B	\$132,200		\$52,300	
Importance Code C	\$8,200		\$4,500	
<b>Total</b>	<b>\$403,000</b>		<b>\$116,000</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**NASSAU STREET BRIDGE B.Q.E./NASSAU STREET**  
**Asset # : 2451**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE			**	
Backwall								
Concrete	95%			LIFE			**	
	<i>Other Observation, Extent : Light, Area Affected : 15%</i>							
	<i>Location : Both Fascias</i>							
	<i>Explanation : Brick Facing 5 Feet Wide</i>							
Concrete	5%	4+	\$8,200	LIFE			**	
	<i>Cracks, Extent : Light, Area Affected : 10%</i>							
	<i>Location : At North Abutment</i>							
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE			**	
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE			**	
Mat (scour & erosion)								
Generic	100%			LIFE			**	
	<i>Other Observation, Extent : Light, Area Affected : 50%</i>							
	<i>Location : Begin Abutment</i>							
	<i>Explanation : Stone Pavers</i>							
Pedestals								
Concrete	100%			LIFE			**	
	<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : At North Abutment Only</i>							
	<i>Explanation : Steel Bolster Bolted To Front Face Abutment</i>							
Stem (breastwall)								
Concrete	5%	4+	\$12,700	LIFE			**	
	<i>Cracks, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : North And South Abutments</i>							
	<i>Explanation : Brick Facade</i>							
Concrete	95%			LIFE			**	
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE			**	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : At North And South Abutments</i>							
	<i>Explanation : Brick Facade</i>							

## Feature Crossed

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**NASSAU STREET BRIDGE B.Q.E./NASSAU STREET**  
**Asset # : 2451**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Approaches								
Pavement								
Asphalt	100%			2030	**	4	\$9,000	
Concrete	100%			2038	**	4		
Embankment								
Earth	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**	5		
Railings/Parapets								
Concrete	100%			2038	**	4		
Steel	100%			LIFE	**			
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$287,100	
		<i>Recent Repair Evident, Extent : Light, Area Affected : 15%</i>						
		<i>Location : Random Locations Throughout</i>						
Pier, Columns								
Steel	100%			LIFE	**	2-8	\$70,100	
Brngs, Ancr Blts, Pads								
Generic	100%			LIFE	**			
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Asphalt, Pavers And Concrete</i>						
Piles								
Not Accessible	100%							
Deck Elements								
Median								
Concrete	100%			LIFE	**	5	\$10,300	
Mono Deck Surface								
Concrete	100%			2049	**	5		
Railings/Parapets								
Concrete	100%			2038	**	4		
Steel	100%			LIFE	**	2-8	\$47,200	
Scupper								
Cast Iron	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Total Of 32 Scuppers</i>						
Superstructure								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**NASSAU STREET BRIDGE B.Q.E./NASSAU STREET**  
**Asset # : 2451**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Deck, Structural Concrete	90%			LIFE	**	5	\$112,600	
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Fascias And Utility Bay</i>								
<i>Explanation : Metal Deck Forms</i>								
Concrete	10%	4+	\$29,200	LIFE	**	5	\$56,300	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Overhangs At Both Fascias And Along Construction Joints</i>								
Joints								
Generic	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Armorless Joint</i>								
Primary Member								
Steel	100%			LIFE	**	2-8	\$1,620,800	
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Ends Of Beams At Piers</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$1,390,600	

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

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : NEREID AVENUE (2241880)  
**Address** : EAST 238TH ST. / OVER BRONX RIVER PARKWAY  
**Borough** : BRONX Agency's Number : N/A  
**Program / Asset #** : DOT0151.000 / 13514 Yr Built/Renovated : 1930 /  
**Area Sq Ft** : 57,750 Project Type : HIGHWAY BRIDGES  
**Date of Survey** : 22-Aug-2016 Landmark Status : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 1067150

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$2,187,600	\$2,175,200
<b>Total</b>	<b>\$2,187,600</b>	<b>\$2,175,200</b>
Importance Code A	\$1,001,400	\$1,618,800
Importance Code B	\$1,058,200	
Importance Code C	\$128,000	\$556,400
<b>Total</b>	<b>\$2,187,600</b>	<b>\$2,175,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$94,200	\$4,900	\$1,000	
<b>Total</b>	<b>\$94,200</b>	<b>\$4,900</b>	<b>\$1,000</b>	
Importance Code A	\$8,400		\$1,000	
Importance Code B	\$21,900			
Importance Code C	\$64,000	\$4,900		
<b>Total</b>	<b>\$94,200</b>	<b>\$4,900</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**NEREID AVENUE (2241880)**  
**Asset # : 13514**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Stem (breastwall)								
Concrete	1%	4+	\$21,900	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 15%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	99%			LIFE			* *	
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Piles								
Not Accessible	100%							
Walls								
Concrete	10%	4+	\$19,800	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	90%			LIFE			* *	
Feature Crossed								
Bank Protection								
Generic	100%			LIFE			* *	
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Approaches								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**NEREID AVENUE (2241880)**  
**Asset # : 13514**

Bridge Structure		Current 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>Approaches</b>								
<b>Pavement</b>								
Asphalt	60%	4+	\$5,200	2029	\$262,300	4	\$9,800	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Both Approaches</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : West Approach</i>								
<i>Explanation : Pavement Consists Of 50 Percent Asphalt And 50 Percent Concrete</i>								
Asphalt	40%			2029	\$174,900	4	\$14,600	
Concrete	100%	4+	\$14,200	2037	**	4	\$39,000	
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Approach</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE	**			
<b>Embankment</b>								
Earth	100%			LIFE	**			
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Railings/Parapets</b>								
Concrete	100%			2037	**	4		
<b>Sidewalks</b>								
Concrete	100%	4+	\$4,600	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Piers</b>								
<b>Cap Beam</b>								
Concrete	40%	4+	\$203,800	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	60%			LIFE	**			
<b>Pier, Columns</b>								
Concrete	40%	4+	\$207,000	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	60%			LIFE	**			

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**NEREID AVENUE (2241880)**  
**Asset # : 13514**

Bridge Structure		Current 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>Piers</b>								
Stem,Solid Pier Concrete	2%	4+	\$851,100	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 75%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	98%			LIFE	**			
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$8,400	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : North Side Near Piers 4 And 8</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Railings/Parapets</b>								
Steel	100%			LIFE	**	2-8	\$28,900	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Steel Railing Without Parapets</i>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$20,100	2033	**	5	\$11,600	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Wearing Surface</b>								
Concrete	100%	4+	\$128,000	2037	**	5	\$119,200	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Spalling With Exposed Rebar</i>								
<b>Scupper</b>								
Cast Iron	100%			LIFE	**			
<b>Superstructure</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**NEREID AVENUE (2241880)**  
**Asset # : 13514**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Superstructure Primary Member Concrete	10%	4+	\$797,700	LIFE	**	5	\$809,400		
			<i>Cracks, Extent : Moderate, Area Affected : 80%</i>						
			<i>Location : Underside Of The Arch Barrels</i>						
			<i>Efflorescence, Extent : Light, Area Affected : 100%</i>						
			<i>Location : Underside Of The Arch Barrels</i>						
			<i>Leakage, Extent : Light, Area Affected : 80%</i>						
			<i>Location : Random Locations At The Arch Barrels</i>						
			<i>Recent Replace Evident, Extent : Light, Area Affected : 80%</i>						
			<i>Location : Throughout</i>						
			<i>Other Observation, Extent : Moderate, Area Affected : 80%</i>						
			<i>Location : Underside Of The Arch Barrels</i>						
			<i>Explanation : Deteriorated Surface With Steel Mesh Installed</i>						
Concrete	90%			LIFE	**	5	\$809,400		

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : NORTHERN BLVD. BRIDGE NORTHERN BLVD./BELT CROSS ISLAND  
 Address : NORTHERN BLVD. CROSS ISLAND PKWY.  
 Borough : QUEENS Agency's Number : N/A  
 Program / Asset # : DOT0177.000 / 13711 Yr Built/Renovated :  
 Area Sq Ft : 8,951 Project Type : HIGHWAY BRIDGES  
 Date of Survey : 10-Oct-2016 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2231870

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$36,800	\$658,800
<b>Total</b>	<b>\$36,800</b>	<b>\$658,800</b>
Importance Code A		\$88,600
Importance Code B		\$88,600
Importance Code C	\$36,800	\$481,600
<b>Total</b>	<b>\$36,800</b>	<b>\$658,800</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$35,100	\$2,600	\$17,900	\$200
<b>Total</b>	<b>\$35,100</b>	<b>\$2,600</b>	<b>\$17,900</b>	<b>\$200</b>
Importance Code A			\$9,000	
Importance Code B	\$15,300		\$8,900	
Importance Code C	\$19,800	\$2,600		\$200
<b>Total</b>	<b>\$35,100</b>	<b>\$2,600</b>	<b>\$17,900</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**NORTHERN BLVD. BRIDGE NORTHERN BLVD./BELT CROSS ISLAND**  
**Asset # : 13711**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Concrete	100%			LIFE		**		
Backwall								
Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2048		**		
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE		**		
Pedestals								
Concrete	100%			LIFE		**		
Stem (breastwall)								
Concrete	22%	4+	\$15,300	LIFE		**		
			<i>Cracks, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	78%			LIFE		**		
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Concrete	11%	4+	\$36,800	LIFE		**		
			<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Wingwalls Are Concrete With Stone Facing</i>					
Concrete	89%			LIFE		**		
<b>Feature Crossed</b>								
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Pier Protection								
Concrete	100%			LIFE		**		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Concrete Barrier</i>					
<b>Approaches</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**NORTHERN BLVD. BRIDGE NORTHERN BLVD./BELT CROSS ISLAND**  
**Asset # : 13711**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Pavement								
Asphalt	100%	4+	\$9,600	2029	\$481,600	4	\$10,800	
<i>Cracks, Extent : Light, Area Affected : 7%</i>								
<i>Location : Both Approaches</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Approaches</i>								
<i>Explanation : Consists Of 50 Percent Asphalt And 50 Percent Concrete</i>								
Concrete	100%			2037	**	4	\$7,700	
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
Embankment								
Earth	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Railings/Parapets								
Steel	100%			LIFE	**			
Sidewalks								
Concrete	100%	4+	\$3,000	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Both Approaches</i>								
<i>Settlement, Extent : Light, Area Affected : 3%</i>								
<i>Location : Both Approaches</i>								
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
Pier,Columns								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Columns</i>								
<i>Explanation : The Columns Are Concrete With Stone Veneer</i>								
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2048	**			
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**NORTHERN BLVD. BRIDGE NORTHERN BLVD./BELT CROSS ISLAND**  
**Asset # : 13711**

Bridge Structure		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>Deck Elements</b>								
Railings/Parapets Steel	100%			LIFE	**	2-8	\$3,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North And South Sides</i>								
<i>Explanation : Chain Link Fence Behind Steel Bridge Railing</i>								
<hr/>								
<b>Sidewalks</b>								
Concrete	100%			2033	**	5	\$400	
<hr/>								
<b>Wearing Surface</b>								
Concrete	100%	4+	\$7,200	2037	**	5	\$16,800	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Superstructure</b>								
Deck, Structural Concrete	100%			LIFE	**	5	\$9,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entire Deck</i>								
<i>Explanation : Bottom Covered With Stay In Place Forms</i>								
<hr/>								
<b>Joints</b>								
Generic	100%			LIFE	**			
<hr/>								
<b>Primary Member</b>								
Steel	100%			LIFE	**	2-8	\$165,500	
<hr/>								
<b>Secondary Member</b>								
Steel	100%			LIFE	**	2-8	\$138,600	

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

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : PARK AVE. TUNNEL EAST 34TH ST/PARK AVE TUNNEL  
**Address** : E34TH ST-39TH ST  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0083.000 / 2512 **Yr Built/Renovated** : 1919 /  
**Area Sq Ft** : 36,200 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 14-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2246540

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$4,025,000	\$2,676,700
<b>Total</b>	<b>\$4,025,000</b>	<b>\$2,676,700</b>
Importance Code A	\$3,092,500	\$227,700
Importance Code C	\$932,500	\$2,449,000
<b>Total</b>	<b>\$4,025,000</b>	<b>\$2,676,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$46,300		\$9,100	\$24,300
<b>Total</b>	<b>\$46,300</b>		<b>\$9,100</b>	<b>\$24,300</b>
Importance Code A	\$17,200		\$4,200	
Importance Code C	\$29,200		\$4,900	\$24,300
<b>Total</b>	<b>\$46,300</b>		<b>\$9,100</b>	<b>\$24,300</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**PARK AVE. TUNNEL EAST 34TH ST/PARK AVE TUNNEL**

**Asset # : 2512**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Concrete	100%	4+	\$432,100	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
Granite	65%	4+	\$500,400	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South End</i>								
Granite	35%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Top Of Wingwalls</i>								
<i>Explanation : Ornamental Granite Parapet On Wingwalls</i>								
Approaches								
Pavement								
Asphalt	100%			2028	\$1,913,700	4	\$46,300	
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Curbs								
Concrete	100%			LIFE	**			
Concrete w/ Steel Face	100%			LIFE	**			
Granite	100%			LIFE	**			
<i>Settlement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
Guide Railing								
Steel	100%			LIFE	**	2-8	\$81,300	
Pavement Base								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**PARK AVE. TUNNEL EAST 34TH ST/PARK AVE TUNNEL**

**Asset # : 2512**

Bridge Structure		Current 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>Approaches</b>								
<b>Sidewalks</b>								
Concrete	95%			LIFE			**	
Concrete	5%	4+	\$3,000	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE			**	
Granite	95%			LIFE			**	
Granite	5%	4+	\$17,200	LIFE			**	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 8%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Gratings</b>								
Steel	100%			LIFE			**	
<b>Railings/Parapets</b>								
Granite	100%			LIFE			**	
Steel	100%			LIFE		2-8	\$59,200	
<b>Sidewalks</b>								
Concrete	100%			2032			**	5
Granite Paver	100%			LIFE			**	\$9,800
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Fascia</i>								
<i>Explanation : Paver Sidewalk At North Fascia</i>								
<b>Wearing Surface</b>								
Asphalt	90%			2028	\$481,700	5		\$48,600
Asphalt	10%	4+	\$10,700	2028	\$53,500	5		\$24,300
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Intersections</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	100%	4+	\$3,092,500	LIFE			**	5
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Under Deck Steel Corrugate Is Used. There Is 5 Percent Corrosion On The Steel Corrugate.</i>								
<b>Primary Member</b>								
Concrete	100%			LIFE			**	5
<i>Estimated Cost : \$149,000</i>								
<b>Secondary Member</b>								
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.

**DEPARTMENT OF TRANSPORTATION - 841  
 PARK AVE. TUNNEL EAST 34TH ST/PARK AVE TUNNEL  
 Asset # : 2512**

Print Date : 25-Oct-2018      **DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : PEDESTRIAN BRIDGE E. 174ST. / 895IX  
**Address** : E. 174ST,BRONX RIVER, I895  
**Borough** : BRONX      **Agency's Number** : N/A  
**Program / Asset #** : DOT0005.0A0 / 2918      **Yr Built/Renovated** : 1909 /  
**Area Sq Ft** : 1,800      **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 01-Dec-2017      **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** :      **Lot** :      **BIN** : 206672A

**CAPITAL**

**Total**  
 Importance Code

**Total**

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$77,700		\$5,500	
<b>Total</b>	<b>\$77,700</b>		<b>\$5,500</b>	
Importance Code A	\$46,300		\$2,400	
Importance Code B	\$28,300		\$2,200	
Importance Code C	\$3,100		\$900	
<b>Total</b>	<b>\$77,700</b>		<b>\$5,500</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**PEDESTRIAN BRIDGE E. 174ST. / 895IX**  
**Asset # : 2918**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals Concrete	100%			LIFE	**			
Backwall Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads Steel	100%			LIFE	**			
		<i>Corrosion, Extent : Light, Area Affected : 15%</i>						
		<i>Location : East Side Bearing</i>						
<b>Footings</b>								
Not Accessible	100%							
<b>Joint with Deck</b>								
Generic	100%			LIFE	**			
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Pedestals</b>								
Concrete	100%			LIFE	**			
		<i>Spalling, Extent : Light, Area Affected : 1%</i>						
		<i>Location : East Side Pedestal</i>						
<b>Stem (breastwall)</b>								
Concrete	100%			LIFE	**			
<b>Wingwalls</b>								
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Piles</b>								
Not Accessible	100%							
<b>Walls</b>								
Concrete	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Abutment</i>						
		<i>Explanation : With Brick Veneer</i>						
<b>Approaches</b>								
<b>Pavement</b>								
Concrete	100%			2038	**	4	\$1,800	
<b>Curbs</b>								
Granite	100%			LIFE	**			
		<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Joint Mortar Between Granite Curbs</i>						
		<i>Cracks, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations Throughout</i>						
<b>Embankment</b>								
Earth	100%			LIFE	**			
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**PEDESTRIAN BRIDGE E. 174ST. / 895IX**  
**Asset # : 2918**

Bridge Structure		Current 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>Approaches</b>								
Railings/Parapets								
Steel	100%			LIFE	**			
		<i>Corrosion, Extent : Light, Area Affected : 5%</i>						
		<i>Location : At Parapet Base</i>						
<b>Piers</b>								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$13,800	
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$18,700	
Stem,Solid Pier								
Brick Veneer	100%			LIFE	**			
Concrete	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : At Solid Pier</i>						
		<i>Explanation : With Brick Veneer</i>						
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2049	**			
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : At Solid Concrete Pier With Brick Veneer</i>						
		<i>Explanation : 4 Concrete Pedestals</i>						
<b>Deck Elements</b>								
Curbs								
Concrete	100%			2049	**			
Mono Deck Surface								
Concrete	100%			2049	**	5	\$7,400	
		<i>Cracks, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations Throughout</i>						
Railings/Parapets								
Steel	100%	4+	\$5,100	LIFE	**	2-8	\$8,500	
		<i>Corrosion, Extent : Light, Area Affected : 5%</i>						
		<i>Location : At Base Of Parapet</i>						
Scupper								
Cast Iron	35%	4+	\$3,100	LIFE	**			
		<i>Drains Clogged, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : All Drains Throughout The Deck</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Deck</i>						
		<i>Explanation : Total Of 6 Drains</i>						
Cast Iron	65%			LIFE	**			

**Superstructure**

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**PEDESTRIAN BRIDGE E. 174ST. / 895IX**  
**Asset # : 2918**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Deck, Structural								
Concrete	70%			LIFE	**	5	\$4,000	
Concrete	30%	4+	\$10,000	LIFE	**	5	\$2,000	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Near Top Joint Along 147 Street Main Bridge</i>								
<i>Explanation : Underside Of Deck Spalled Area With Rusted Rebars Covered By Steel Mesh With Bolted Steel Plates.</i>								
Joints								
Generic	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8	\$57,000	
<i>Rust Stains, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throught</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$48,900	
<i>Rust Stains, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throught</i>								

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

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : PEDESTRIAN BRIDGE E. 174ST. / 895IX  
**Address** : E. 174ST,BRONX RIVER, I895  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0005.0B0 / 2919 **Yr Built/Renovated** : 1909 /  
**Area Sq Ft** : 1,900 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 01-Dec-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 206672B

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$82,300		\$6,200	
<b>Total</b>	<b>\$82,300</b>		<b>\$6,200</b>	
Importance Code A	\$45,500		\$2,700	
Importance Code B	\$36,800		\$2,700	
Importance Code C			\$900	
<b>Total</b>	<b>\$82,300</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**PEDESTRIAN BRIDGE E. 174ST. / 895IX**  
**Asset # : 2919**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	**			
Backwall								
Concrete	100%			LIFE	**			
		<i>Cracks, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Begin Abutment</i>						
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**			
		<i>Corrosion, Extent : Light, Area Affected : 30%</i>						
		<i>Location : South Abutment</i>						
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Stem (breastwall)								
Concrete	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location :</i>						
		<i>Explanation : With Brick Veneer</i>						
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Begin Abutment</i>						
		<i>Explanation : With Brick Veneer And Three Weep Holes On Each Wall</i>						
Approaches								
Pavement								
Concrete	100%			2038	**	4	\$1,800	
Curbs								
Granite	100%			LIFE	**			
		<i>Cracks, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Random Locations Throughout</i>						
Mat (scour & erosion)								
Earth	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**PEDESTRIAN BRIDGE E. 174ST. / 895IX**  
**Asset # : 2919**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Railings/Parapets								
Steel	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$13,800	
Pier,Columns								
Steel	65%			LIFE	**	2-8	\$18,700	
Steel	35%			LIFE	**	2-8	\$18,700	
<i>Corrosion, Extent : Light, Area Affected : 2%</i>								
<i>Location : Base Of Center Pier</i>								
Stem,Solid Pier								
Brick Veneer	100%			LIFE	**			
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : South End Pier</i>								
<i>Explanation : Concrete With Brick Veneer</i>								
Brngs,Ancr Blts,Pads								
Steel	90%			LIFE	**	2-8	\$2,300	
Steel	10%			LIFE	**	2-8	\$2,300	
<i>Corrosion, Extent : Light, Area Affected : 50%</i>								
<i>Location : At Pier With Brick Veneer</i>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : South End Pier</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : South End Pier</i>								
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete	99%			2049	**			
Concrete	1%	4+	\$5,600	2049	**			
<i>Cracks, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
Mono Deck Surface								
Concrete	100%			2049	**	5	\$7,400	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**PEDESTRIAN BRIDGE E. 174ST. / 895IX**  
**Asset # : 2919**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements								
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$13,800	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$4,200	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Joints								
Generic	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8	\$60,200	
<i>Rust Stains, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$51,700	
<i>Rust Stains, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : PENNSYLVANIA AVENUE TO BSHP BELT PARKWAY  
 Address : PENNSYLVANIA AVE SOUTH BOUND TO EAST BOUND BELT PARKWAY  
 Borough : BROOKLYN Agency's Number : N/A  
 Program / Asset # : DOT0223.000 / 14958 Yr Built/Renovated :  
 Area Sq Ft : 6,570 Project Type : HIGHWAY BRIDGES  
 Date of Survey : 06-Mar-2018 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2231519

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$29,400	\$29,400
<b>Total</b>	<b>\$29,400</b>	<b>\$29,400</b>
Importance Code A	\$29,400	\$29,400
<b>Total</b>	<b>\$29,400</b>	<b>\$29,400</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$25,800		\$19,500	\$13,300
<b>Total</b>	<b>\$25,800</b>		<b>\$19,500</b>	<b>\$13,300</b>
Importance Code A	\$25,800		\$6,000	
Importance Code C			\$13,500	\$13,300
<b>Total</b>	<b>\$25,800</b>		<b>\$19,500</b>	<b>\$13,300</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**PENNSYLVANIA AVENUE TO BSHP BELT PARKWAY**

**Asset # : 14958**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%			LIFE	**			
Backwall Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads Elastomeric	100%			2049	**			
Footings Not Accessible	100%							
Joint with Deck Generic	100%			LIFE	**			
		<i>Missing/Damaged Seal, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations Throughout</i>						
Mat (scour & erosion) Earth	100%			LIFE	**			
Pedestals Concrete	100%			LIFE	**			
Stem (breastwall) Concrete	100%			LIFE	**			
		<i>Cracks, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Other Observation, Extent : Light, Area Affected : 2%</i>						
		<i>Location : North Abutment</i>						
		<i>Explanation : Utility Access Door</i>						
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	**			
Piles Not Accessible	100%							
Walls Concrete	100%			LIFE	**			
		<i>Cracks, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Random Locations Throughout</i>						
Feature Crossed								
Mat (scour & erosion) Asphalt	100%			LIFE	**			
Pier Protection Concrete	100%			LIFE	**			
Approaches								
Pavement Concrete	100%			2038	**	4	\$27,000	
		<i>Cracks, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Random Locations Throughout</i>						

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**PENNSYLVANIA AVENUE TO BSHP BELT PARKWAY**

**Asset # : 14958**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**	2-8	\$7,400	
Median								
Concrete	100%			LIFE	**	5	\$1,800	
<i>Delaminations, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2038	**	4	\$2,500	
Steel	100%	4+	\$2,000	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : North Approach</i>								
<i>Explanation : Vegetation Growth</i>								
Sidewalks								
Concrete	100%			LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$113,700	
<i>Corrosion, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
Pier,Columns								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2049	**			
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**PENNSYLVANIA AVENUE TO BSHP BELT PARKWAY**

**Asset # : 14958**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Median								
Concrete	100%			LIFE	**	5	\$2,300	
<i>Delaminations, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Concrete	100%			2038	**	4	\$3,100	
Steel	100%			LIFE	**	2-8	\$6,900	
Sidewalks								
Concrete	100%			2034	**	5	\$4,000	
<i>Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
Wearing Surface								
Concrete	100%			2038	**	5	\$26,700	
<i>Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Covered By Stay In Place Forms</i>								
Joints								
Generic	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8		
<i>Corrosion, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8		

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

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

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

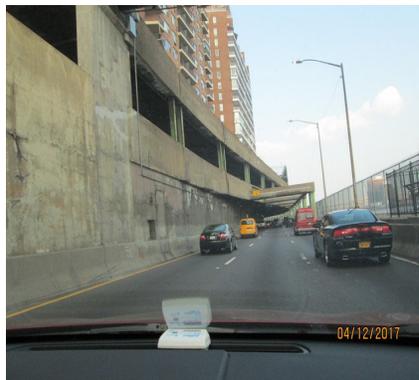
Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : PROMENADE OVER FDR PROMENADE OVER FDR/79TH-91ST ST  
**Address** : 79ST TO 91ST ST.  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0031.070 / 2925 **Yr Built/Renovated** : 1942 /  
**Area Sq Ft** : 93,000 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 04-Dec-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2232167

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$12,077,100	\$1,145,600
<b>Total</b>	<b>\$12,077,100</b>	<b>\$1,145,600</b>
Importance Code A	\$11,213,900	\$271,300
Importance Code B	\$86,200	
Importance Code C	\$777,000	\$874,300
<b>Total</b>	<b>\$12,077,100</b>	<b>\$1,145,600</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$78,200		\$45,700	
<b>Total</b>	<b>\$78,200</b>		<b>\$45,700</b>	
Importance Code A	\$43,300		\$44,800	
Importance Code B	\$24,400		\$1,000	
Importance Code C	\$10,600			
<b>Total</b>	<b>\$78,200</b>		<b>\$45,700</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**PROMENADE OVER FDR PROMENADE OVER FDR/79TH-91ST ST**  
**Asset # : 2925**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Granite	65%			LIFE		**		
Granite	35%	4+	\$10,600	LIFE		**		
<i>Efflorescence, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Lower Two Courses Of Stones</i>								
<i>Loose Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Feature Crossed								
Bank Protection								
Riprap	100%			LIFE		**		
Pier Protection								
Not Accessible	100%							
Approaches								
Pavement								
Asphalt	100%	4+	\$36,800	2030		**	4	\$12,100
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Brick	100%	4+	\$43,300	2030		**	4	\$1,536,800
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Missing Brick Pavers</i>								
Guide Railing								
Steel	75%			LIFE		**	2-8	\$18,600
Steel	25%	4+	\$6,000	LIFE		**	2-8	\$11,700
<i>Corrosion, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Blocked By Construction</i>								
Sidewalks								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Blocked By Construction</i>								
Piers								
Cap Beam								
Concrete	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**PROMENADE OVER FDR PROMENADE OVER FDR/79TH-91ST ST**  
**Asset # : 2925**

Bridge Structure		Current 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>Piers</b>								
Pier, Columns								
Concrete	90%			LIFE	**			
Concrete	10%	4+	\$86,200	LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Steel	70%			LIFE	**	2-8	\$23,300	
Steel	30%	4+	\$15,300	LIFE	**	2-8	\$14,200	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
Railings/Parapets								
Concrete	70%			2038	**	4	\$73,800	
Concrete	30%	4+	\$640,200	2038	**	4	\$73,800	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Concentrated At Joints</i>								
<i>Rust Stains, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout, Also Concentrated At Joints</i>								
Steel	80%			LIFE	**	2-8	\$165,000	
Steel	20%	4+	\$120,800	LIFE	**	2-8	\$101,300	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Rust Stains, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Railing Supports At Joints</i>								
<i>Explanation : Dislocated Anchors, Missing Concrete Around Anchors</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**PROMENADE OVER FDR PROMENADE OVER FDR/79TH-91ST ST**  
**Asset # : 2925**

Bridge Structure		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>Deck Elements</b>								
<b>Wearing Surface</b>								
Asphalt	85%			2030	**	5	\$124,900	
Asphalt	15%	2-4	\$41,300	2027	\$206,300	5	\$62,400	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Loose Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Asphalt Pavers</i>								
Concrete	80%			2038	**	5	\$543,100	
Concrete	20%	4+	\$158,700	2038	**	5	\$271,500	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	70%			LIFE	**	5	\$204,700	
Concrete	30%	2-4	\$10,317,200	LIFE	**	5	\$102,400	
<i>Cracks, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<b>Joints</b>								
Generic	33%			LIFE	**			
Generic	67%	4+	\$162,900	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : QUEENS BLVD. BRIDGE QUEENS BLVD/INTERBOROUGH PKWY  
**Address** : IND SUBWAY STATION  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0016.090 / 2577 **Yr Built/Renovated** :  
**Area Sq Ft** : 37,753 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 15-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2230209

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$840,400	\$3,928,800
<b>Total</b>	<b>\$840,400</b>	<b>\$3,928,800</b>
Importance Code A	\$786,200	\$1,349,800
Importance Code B		\$747,300
Importance Code C	\$54,200	\$1,831,600
<b>Total</b>	<b>\$840,400</b>	<b>\$3,928,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$49,800	\$11,100	\$150,800	\$115,800
<b>Total</b>	<b>\$49,800</b>	<b>\$11,100</b>	<b>\$150,800</b>	<b>\$115,800</b>
Importance Code A	\$16,600		\$75,900	
Importance Code B	\$9,500		\$75,000	\$115,800
Importance Code C	\$23,700	\$11,100		
<b>Total</b>	<b>\$49,800</b>	<b>\$11,100</b>	<b>\$150,800</b>	<b>\$115,800</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**QUEENS BLVD. BRIDGE QUEENS BLVD/INTERBOROUGH PKWY**  
**Asset # : 2577**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Masonry: Brick	95%			LIFE	**	3-5	\$84,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Specifically, Stone Facing</i>								
Masonry: Brick	5%	4+	\$1,900	LIFE	**	3-5	\$84,100	
<i>Joints Missing, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Joint Mortar Missing Throught Both Abutments</i>								
Masonry: Schist/Gneiss	5%	4+	\$7,600	LIFE	**	3-5	\$101,800	
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : End Of Abutment</i>								
<i>Explanation : Cracks</i>								
Masonry: Schist/Gneiss	95%			LIFE	**	3-5	\$101,800	
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Feature Crossed</b>								
Mat (scour & erosion)								
Asphalt Paving	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Spans 1-5</i>								
Pier Protection								
Not Accessible	100%							
<b>Approaches</b>								
Pavement								
Asphalt	100%			2029	\$1,357,300	4	\$33,400	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**QUEENS BLVD. BRIDGE QUEENS BLVD/INTERBOROUGH PKWY**  
**Asset # : 2577**

Bridge Structure		Current 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>Approaches</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	80%			LIFE		**		
Concrete w/ Steel Face	20%	4+	\$1,500	LIFE		**		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Northwest Quadrant Asphalt Patch</i>								
<b>Embankment</b>								
Not Accessible	100%							
<b>Guide Railing</b>								
Steel	100%			LIFE		**	2-8	
<b>Median</b>								
Concrete	100%	4+	\$3,700	LIFE		**	5	\$500
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Northwest Quadrant Asphalt Patch</i>								
<b>Sidewalks</b>								
Concrete	100%			LIFE		**		
<b>Piers</b>								
<b>Cap Beam</b>								
Concrete Encased Steel	4%	2-4	\$786,200	LIFE		**	5	\$259,500
<i>Spalling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Northeast Beam End</i>								
Concrete Encased Steel	96%			LIFE		**	5	\$259,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throught</i>								
<i>Explanation : Not Accessible</i>								
<b>Pier,Columns</b>								
Not Accessible	100%							
<b>Brngs,Ancr Blts,Pads</b>								
Not Accessible	100%							
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Not Accessible	100%							
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	80%			LIFE		**		
Concrete w/ Steel Face	20%	2-4	\$2,700	LIFE		**		
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Guide Railing</b>								
Steel	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**QUEENS BLVD. BRIDGE QUEENS BLVD/INTERBOROUGH PKWY**  
**Asset # : 2577**

Bridge Structure		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>Deck Elements</b>								
<b>Median</b>								
Concrete	100%	4+	\$7,500	LIFE	**	5	\$1,900	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Railings/Parapets</b>								
Masonry	2%	2-4	\$1,100	2037	**	5	\$900	
<i>Spalling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Southwest Corner</i>								
Masonry	98%			2037	**	5	\$1,800	
<b>Sidewalks</b>								
Brick	100%			2048	**			
Concrete	100%	4+	\$54,200	2033	**	5	\$4,600	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Lack Of Expansion Joints</i>								
<b>Wearing Surface</b>								
Asphalt	100%	4+	\$23,700	2029	\$474,300	5	\$21,500	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	10%			LIFE	**	5	\$41,800	
Concrete	90%			LIFE	**	5	\$41,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Not Accessible</i>								
<b>Primary Member</b>								
Steel	90%			LIFE	**	2-8	\$697,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Not Accessible</i>								
Steel	10%			LIFE	**	2-8	\$697,900	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**QUEENS BLVD. BRIDGE QUEENS BLVD/INTERBOROUGH PKWY**  
**Asset # : 2577**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Secondary Member								
Steel	90%			LIFE	**	2-8	\$584,700	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Not Accessible</i>						
Steel	10%			LIFE	**	2-8	\$584,700	

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : RAMP TO HHP N/B RAMP TO NB HHP/AMTRAK WEST SIDE  
**Address** : RAMP TO HENRY HUDSON PKWY. / W.158TH ST.  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0011.0A0 / 2574 **Yr Built/Renovated** :  
**Area Sq Ft** : 10,800 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 30-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 222934A

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$1,658,700	\$747,300
<b>Total</b>	<b>\$1,658,700</b>	<b>\$747,300</b>
Importance Code A	\$1,658,700	\$332,600
Importance Code B		\$312,800
Importance Code C		\$101,900
<b>Total</b>	<b>\$1,658,700</b>	<b>\$747,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$69,900	\$1,800	\$65,300	
<b>Total</b>	<b>\$69,900</b>	<b>\$1,800</b>	<b>\$65,300</b>	
Importance Code A	\$24,500	\$1,000	\$33,900	
Importance Code B	\$16,000		\$31,400	
Importance Code C	\$29,500	\$800		
<b>Total</b>	<b>\$69,900</b>	<b>\$1,800</b>	<b>\$65,300</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**RAMP TO HHP N/B RAMP TO NB HHP/AMTRAK WEST SIDE**

**Asset # : 2574**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	2-4	\$7,900	LIFE			**	
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : South End</i>								
<i>Explanation : Torn And Detached Expansion Joint Material</i>								
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Concrete	100%			LIFE			**	
Walls								
Concrete	100%			LIFE			**	
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE			**	
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Approaches								
Pavement								
Asphalt	100%			2029	\$101,900	4	\$2,400	
<i>Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Isolated Locations Throughout</i>								
Concrete	100%	4+	\$7,900	2037		**	4	\$6,200
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**RAMP TO HHP N/B RAMP TO NB HHP/AMTRAK WEST SIDE**

**Asset # : 2574**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Curbs								
Concrete	100%			LIFE	**			
Concrete w/ Steel Face	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Curb</i>								
<i>Explanation : Consists of 25 Percent Concrete, 25 Percent Concrete With Steel Face, And 50 Percent Granite</i>								
Granite	100%			LIFE	**			
Embankment								
Earth	100%			LIFE	**			
Railings/Parapets								
Concrete	100%			2037	**	4		
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$274,600	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$285,000	
Stem,Solid Pier								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%	4+	\$3,100	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : North End West Side Wall At Columns</i>								
Piles								
Not Accessible	100%							
Deck Elements								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**RAMP TO HHP N/B RAMP TO NB HHP/AMTRAK WEST SIDE**

**Asset # : 2574**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Curbs</b>								
Concrete	56%	Now	\$1,513,200	2048		**		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	44%			2048		**		
Granite	100%	4+	\$6,000	LIFE		**		
<i>Settlement, Extent : Light, Area Affected : 5%</i>								
<i>Location : On The Northwest Side</i>								
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout East Side Of Bridge</i>								
<i>Explanation : Deteriorated/ Missing Joints At Granite Blocks</i>								
<b>Guide Railing</b>								
Steel	100%	4+	\$7,600	LIFE		**		
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Near End Of Approach</i>								
<i>Explanation : Impact Damage</i>								
<b>Median</b>								
Concrete	100%	4+	\$4,400	LIFE		**	5	\$2,600
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 4%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Grass Area</i>								
<b>Mono Deck Surface</b>								
Concrete	100%	4+	\$6,400	2048		**	5	\$28,700
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 50%</i>								
<i>Location : On East Side Around Span 20</i>								
<b>Railings/Parapets</b>								
Concrete	20%	4+	\$4,200	2037		**	4	\$2,100
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Southwest Side On Top Of Parapet</i>								
Concrete	80%			2037		**	4	\$3,100
Steel	100%			LIFE		**	2-8	\$16,300

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**RAMP TO HHP N/B RAMP TO NB HHP/AMTRAK WEST SIDE**

**Asset # : 2574**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Sidewalks</b>								
Cobblestone	100%			2048		**		
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Along East Side</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : West And East Side</i>								
<i>Explanation : Cobblestone Along West Side And Grassy Area Along East Side.</i>								
Concrete	100%	4+	\$13,900	2033		**	5	\$5,700
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : At North End</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : At West Side Of Sidewalk</i>								
<b>Scupper</b>								
Ductile Iron	100%			LIFE		**		
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	95%			LIFE		**	5	\$11,900
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entire Deck</i>								
<i>Explanation : No Access To Tracks</i>								
Concrete	5%	4+	\$2,300	LIFE		**	5	\$11,900
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Joints</b>								
Generic	5%	2-4	\$1,200	LIFE		**		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
Generic	95%			LIFE		**		
<b>Primary Member</b>								
Steel	95%			LIFE		**	2-8	\$199,700
Steel	5%	4+	\$145,400	LIFE		**	2-8	\$199,700
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : On Floor Beam Bottom Flanges, Particularly Heavy At Joints</i>								
<i>Loss of Section, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Secondary Member</b>								
Steel	95%			LIFE		**	2-8	\$167,300
Steel	5%	4+	\$5,000	LIFE		**	2-8	\$167,300
<i>Corrosion, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Loss of Section, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								

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

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : RIVERSIDE DR. VIADUCT BRIDGE RIVERSIDE DR/W. 158TH ST  
**Address** : 152ND ST- W161ST ST  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0069.000 / 2493 **Yr Built/Renovated** : 1908 /  
**Area Sq Ft** : 181,487 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 28-Nov-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2246720

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$22,882,900	\$7,560,800
<b>Total</b>	<b>\$22,882,900</b>	<b>\$7,560,800</b>
Importance Code A	\$18,523,100	\$6,734,600
Importance Code B	\$2,669,500	
Importance Code C	\$1,690,300	\$826,200
<b>Total</b>	<b>\$22,882,900</b>	<b>\$7,560,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$2,252,900		\$452,800	\$12,900
<b>Total</b>	<b>\$2,252,900</b>		<b>\$452,800</b>	<b>\$12,900</b>
Importance Code A	\$2,232,200		\$452,800	\$12,900
Importance Code B	\$900			
Importance Code C	\$19,800			
<b>Total</b>	<b>\$2,252,900</b>		<b>\$452,800</b>	<b>\$12,900</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**RIVERSIDE DR. VIADUCT BRIDGE RIVERSIDE DR/W. 158TH ST**  
**Asset # : 2493**

Bridge Structure		Current 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>Abutments</b>								
<b>Bridge Seat&amp;pedestals</b>								
Concrete	63%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location :</i>								
<i>Explanation : Field Inspection Supplemented With Information From Biennial (Typical)</i>								
Concrete	37%	4+	\$50,100	LIFE		**		
<i>Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : At Begin Abutment</i>								
Granite	100%			LIFE		**		
<b>Backwall</b>								
Concrete	100%			LIFE		**		
<b>Brngs,Ancr Blts,Pads</b>								
Steel	75%			LIFE		**		
Steel	25%			LIFE		**		
<i>Corrosion, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Both Abutments</i>								
<b>Footings</b>								
Not Accessible	100%							
<b>Joint with Deck</b>								
Generic	50%			LIFE		**		
Generic	50%	2-4	\$84,100	LIFE		**		
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : End Abutment</i>								
<i>Explanation : Worn Out Filler</i>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE		**		
<b>Pedestals</b>								
Concrete	91%			LIFE		**		
Concrete	9%	4+	\$55,800	LIFE		**		
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Begin Abutment</i>								
<b>Stem (breastwall)</b>								
Concrete	50%	4+	\$403,800	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 80%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 80%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	50%			LIFE		**		
Granite	100%			LIFE		**		
<b>Wingwalls</b>								
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**RIVERSIDE DR. VIADUCT BRIDGE RIVERSIDE DR/W. 158TH ST**  
**Asset # : 2493**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Wingwalls								
Piles								
Not Accessible	100%							
Walls								
Granite	100%	4+	\$39,600	LIFE		**		
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Masonry	100%			LIFE		**		
<i>Vegetation Growth, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : At Begin Abutment</i>								
Feature Crossed								
Bank Protection								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Not Accessible	100%							
Approaches								
Pavement								
Asphalt	70%	4+	\$15,800	2030		**	4	\$8,100
<i>Cracks, Extent : Light, Area Affected : 4%</i>								
<i>Location : At South Approach</i>								
Asphalt	30%			2023	\$135,100		4	\$12,100
Concrete	100%	4+	\$140,100	2038		**	4	\$30,800
<i>Cracks, Extent : Light, Area Affected : 25%</i>								
<i>Location : North Approach</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Approach</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
<i>Rust Stains, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Approach</i>								
Granite	100%			LIFE		**		
Embankment								
Generic	100%			LIFE		**		
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Railings/Parapets								
Concrete	100%			2038		**	4	
Granite	100%	4+	\$4,200	LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Missing Joint Mortar</i>								
Steel	100%			LIFE		**		

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**RIVERSIDE DR. VIADUCT BRIDGE RIVERSIDE DR/W. 158TH ST**  
**Asset # : 2493**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Sidewalks								
Asphalt	100%			2030	**	4		
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Concrete Encased Steel	100%			LIFE	**	5	\$38,200	
Steel	85%			LIFE	**	2-8	\$5,644,300	
Steel	15%			LIFE	**	2-8	\$5,644,300	
<i>Corrosion, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Random Locations Throughout</i>								
Pier, Columns								
Concrete Encased Steel	50%			LIFE	**	5	\$1,900	
Concrete Encased Steel	50%	0-2	\$1,151,800	LIFE	**	5	\$900	
<i>Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Corrosion</i>								
Stem, Solid Pier								
Masonry	80%			LIFE	**			
Masonry	20%	4+	\$991,500	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : On Face And Base Of Pier Respectively</i>								
<i>Explanation : Hollow Sound Area And Vertical Cracks And Vegetation Growth</i>								
Brngs, Ancr Blts, Pads								
Steel	60%			LIFE	**	2-8	\$290,900	
Steel	40%	2-4	\$911,700	LIFE	**	2-8	\$173,900	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Loss of Section, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Several Spans</i>								
<i>Explanation : Missing Anchor Bolts</i>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	95%			LIFE	**			
Concrete	5%	4+	\$38,300	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Pier 41</i>								
<i>Explanation : Per Biennial Inspection Report The Right Wall Has A Crack In Pier 41 Which Propagates Into Pedestal</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**RIVERSIDE DR. VIADUCT BRIDGE RIVERSIDE DR/W. 158TH ST**  
**Asset # : 2493**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers								
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
Granite	90%			LIFE		**		
Granite	10%	4+	\$13,100	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
Guide Railing								
Concrete	95%			2042		**		
Concrete	5%	4+	\$31,900	2042		**		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Cracks, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Granite	100%			LIFE		**		
Masonry	95%			2038		**	5	\$25,900
Masonry	5%	4+	\$5,700	2038		**	5	\$12,900
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Missing Mortar And Vegetation Growth At Base Of Parapet</i>								
Steel	100%			LIFE		**	2-8	\$38,900
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Base Of Railing, West Fascia Parapet</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : At Base Of Parapet, West Side Fascia</i>								
<i>Explanation : Vegetation Growth</i>								
Sidewalks								
Concrete	90%			2034		**	5	\$117,500
Concrete	10%	4+	\$190,900	2034		**	5	\$58,700
<i>Cracks, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
Wearing Surface								
Concrete	95%			2038		**	5	\$650,000
Concrete	5%	2-4	\$87,100	2038		**	5	\$325,000
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Cracks, Map Cracks And Delaminated Area.</i>								
Scupper								
Cast Iron	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Total Of 28 Scuppers</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future 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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**DEPARTMENT OF TRANSPORTATION - 841**  
**RIVERSIDE DR. VIADUCT BRIDGE RIVERSIDE DR/W. 158TH ST**  
**Asset # : 2493**

Bridge Structure		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>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	50%			LIFE	**	5	\$399,500	
Concrete	50%	4+	\$4,559,000	LIFE	**	5	\$199,700	
<i>Cracks, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Joints</b>								
Steel	80%			LIFE	**			
Steel	15%	2-4	\$421,400	LIFE	**			
<i>Leakage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Missing/ Damaged Seal</i>								
Steel	5%	Now	\$351,200	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Primary Member</b>								
Concrete Encased Steel	70%			LIFE	**	5	\$1,829,000	
Concrete Encased Steel	30%	2-4	\$7,401,400	LIFE	**	5	\$914,500	
<i>Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Corrosion, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
Steel	100%			LIFE	**	2-8	\$4,600,500	
<i>Rust Stains, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Secondary Member</b>								
Concrete Encased Steel	100%			2057	**			

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : SHORE ROAD BRIDGE  
**Address** : SHORE ROAD CIRCLE AMTRAK - CSX  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0213.000 / 14581 **Yr Built/Renovated** :  
**Area Sq Ft** : 4,800 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 08-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241390

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$2,000	\$24,600	\$200	
<b>Total</b>	<b>\$2,000</b>	<b>\$24,600</b>	<b>\$200</b>	
Importance Code A	\$1,700		\$200	
Importance Code C	\$400	\$24,600		
<b>Total</b>	<b>\$2,000</b>	<b>\$24,600</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**SHORE ROAD BRIDGE**  
**Asset # : 14581**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE		**		
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Feature Crossed								
Bank Protection								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Approaches								
Pavement								
Concrete	100%			2036		**	4	
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
Embankment								
Generic	100%			LIFE		**		
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2036		**	4	
Steel	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**SHORE ROAD BRIDGE**  
**Asset # : 14581**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Sidewalks								
Asphalt	100%			2028	\$23,200	4	\$1,100	
Concrete	100%			LIFE	**			
Generic	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Grass Strips</i>								
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Railings/Parapets								
Concrete	100%			2036	**	4	\$5,000	
Steel	100%			LIFE	**	2-8	\$4,500	
Sidewalks								
Concrete	100%			2032	**	5		
Wearing Surface								
Concrete	100%			2036	**	5	\$49,200	
Superstructure								
Deck, Structural								
Not Accessible	100%							
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : SIRT SOUTH SHORE BRIDGE PAGE AVE/SIRT SOUTH SHORE  
**Address** : PAGE AVE,AMBOY-RICHMOND VALLEY  
**Borough** : STATEN ISLAND                      **Agency's Number** : N/A  
**Program / Asset #** : DOT0075.000 / 2499                      **Yr Built/Renovated** : 1930 / 1989  
**Area Sq Ft** : 44,400                      **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 21-Aug-2015                      **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** :                      **Lot** :                      **BIN** : 2249269

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$755,800	\$1,615,500
<b>Total</b>	<b>\$755,800</b>	<b>\$1,615,500</b>
Importance Code A	\$292,400	\$488,300
Importance Code B		\$439,500
Importance Code C	\$463,400	\$687,700
<b>Total</b>	<b>\$755,800</b>	<b>\$1,615,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$91,200		\$88,700	
<b>Total</b>	<b>\$91,200</b>		<b>\$88,700</b>	
Importance Code A	\$37,800		\$44,600	
Importance Code B	\$800		\$44,100	
Importance Code C	\$52,500			
<b>Total</b>	<b>\$91,200</b>		<b>\$88,700</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**SIRT SOUTH SHORE BRIDGE PAGE AVE/SIRT SOUTH SHORE**

**Asset # : 2499**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%			LIFE		**		
Backwall Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads Multi-Rotational Bearing	100%			2055		**		
Footings Not Accessible	100%							
Joint with Deck Generic	100%			LIFE		**		
Mat (scour & erosion) Generic	100%	4+	\$800	LIFE		**		
			<i>Settlement, Extent : Light, Area Affected : 3%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Vegetation Growth</i>					
Pedestals Concrete	100%			LIFE		**		
Stem (breastwall) Concrete	100%			LIFE		**		
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE		**		
Piles Not Accessible	100%							
Walls Concrete	100%			LIFE		**		
			<i>Cracks, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Random Locations Throughout</i>					
Feature Crossed								
Bank Protection Concrete	100%	4+	\$316,200	LIFE		**		
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 3%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Exposed Reinforcement</i>					
Mat (scour & erosion) Stream Bed	100%			LIFE		**		
Approaches								

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**SIRT SOUTH SHORE BRIDGE PAGE AVE/SIRT SOUTH SHORE**

**Asset # : 2499**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Pavement								
Asphalt	80%			2028	\$472,400	4	\$12,100	
Asphalt	20%	4+	\$23,600	2028	\$118,100	4	\$8,100	
<i>Broken, Missing Pave, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Cracks, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	100%	4+	\$18,400	2036	**	4	\$30,800	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Curbs								
Concrete w/ Steel Face	100%	4+	\$1,900	LIFE	**			
<i>Rust Stains, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**	2-8	\$5,800	
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2036	**	4		
Steel	100%	4+	\$16,000	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Southeast End</i>								
Sidewalks								
Concrete	100%	4+	\$6,500	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Delaminations, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
Pier, Columns								
Concrete	100%			LIFE	**			
Brngs, Ancr Blts, Pads								
Multi-Rotational Bearing	100%			2055	**			
Footings								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**SIRT SOUTH SHORE BRIDGE PAGE AVE/SIRT SOUTH SHORE**

**Asset # : 2499**

Bridge Structure		Current 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>Piers</b>								
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Pedestals								
Concrete	100%			LIFE		**		
Piles								
Not Accessible	100%							
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
			<i>Rust Stains, Extent : Light, Area Affected : 75%</i>					
			<i>Location : Throughout</i>					
Railings/Parapets								
Concrete	100%	4+	\$19,900	2036		**	4	\$8,600
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : At Base Of Light Post Pedestals</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 3%</i>					
			<i>Location : At Base Of Light Post Pedestals</i>					
			<i>Rust Stains, Extent : Light, Area Affected : 3%</i>					
			<i>Location : At Base Of Light Post Pedestals</i>					
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Scaling</i>					
Steel	100%			LIFE		**	2-8	\$11,800
Sidewalks								
Concrete	100%	4+	\$78,800	2032		**	5	\$11,100
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Scaling</i>					
Wearing Surface								
Concrete	100%	4+	\$68,300	2036		**	5	\$97,200
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
<b>Superstructure</b>								
Deck, Structural								
Concrete	100%	4+	\$292,400	LIFE		**	5	\$48,900
			<i>Cracks, Extent : Light, Area Affected : 3%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 3%</i>					
			<i>Location : Random Locations Throughout</i>					
Primary Member								
Steel	100%			LIFE		**	2-8	\$820,800
Secondary Member								
Steel	100%			LIFE		**	2-8	\$687,600

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**SIRT SOUTH SHORE BRIDGE PAGE AVE/SIRT SOUTH SHORE**  
**Asset # : 2499**

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : SOUTH ST RAMP TO FDR/SOUTH ST  
 Address : SOUTH ST,ENTRY RAMP TO FDR DR  
 Borough : MANHATTAN Agency's Number : N/A  
 Program / Asset # : DOT0027.0C0 / 4325 Yr Built/Renovated : 1954 /  
 Area Sq Ft : 39,200 Project Type : HIGHWAY BRIDGES  
 Date of Survey : 26-Aug-2015 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 223201C

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$230,000	\$4,024,900
<b>Total</b>	<b>\$230,000</b>	<b>\$4,024,900</b>
Importance Code A		\$1,095,700
Importance Code B		\$870,200
Importance Code C	\$230,000	\$2,059,000
<b>Total</b>	<b>\$230,000</b>	<b>\$4,024,900</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$26,200		\$197,600	\$6,200
<b>Total</b>	<b>\$26,200</b>		<b>\$197,600</b>	<b>\$6,200</b>
Importance Code A	\$1,400		\$110,300	
Importance Code B	\$3,000		\$87,300	
Importance Code C	\$21,900			\$6,200
<b>Total</b>	<b>\$26,200</b>		<b>\$197,600</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**SOUTH ST RAMP TO FDR/SOUTH ST**  
**Asset # : 4325**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Granite	100%	4+	\$3,000	LIFE			**	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : West Side Of The End Abutment</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Inside Cellular Abutment</i>								
<i>Explanation : A Furnished Office Space</i>								
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Concrete	90%			LIFE			**	
Concrete	10%	4+	\$3,300	LIFE			**	
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Northwest Corner</i>								
Granite	100%	4+	\$3,400	LIFE			**	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Northwest Corner</i>								
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Approaches								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**SOUTH ST RAMP TO FDR/SOUTH ST**  
**Asset # : 4325**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Pavement								
Asphalt	60%			2028	\$1,149,800	4	\$45,300	
Asphalt	40%	2-4	\$230,000	2028	\$766,500	4	\$30,200	
<i>Cracks, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Near End Of Approach</i>								
<i>Settlement, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Near End Of Approach</i>								
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2036	**	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Under Construction</i>								
Granite	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Under Construction</i>								
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$739,200	
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$271,300	
Stem,Solid Pier								
Granite	100%			LIFE	**			
<i>Efflorescence, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Pier 7</i>								
<i>Explanation : Pier 7 Is A Solid Stem Pier</i>								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Deck Elements								
Railings/Parapets								
Concrete	100%			2036	**	4	\$4,200	
Granite	100%			LIFE	**			
Steel	100%			LIFE	**	2-8	\$11,500	
Wearing Surface								
Asphalt	100%			2028	\$142,800	5	\$12,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Under Construction</i>								
Scupper								
Cast Iron	100%			LIFE	**			
Superstructure								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**SOUTH ST RAMP TO FDR/SOUTH ST**  
**Asset # : 4325**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$11,800	
Joints								
Generic	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Under Construction</i>								
Primary Member								
Steel	90%			LIFE	**	2-8	\$724,700	
Steel	10%			LIFE	**	2-8	\$724,700	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Secondary Member								
Steel	90%			LIFE	**	2-8	\$607,100	
Steel	10%			LIFE	**	2-8	\$607,100	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations 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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : SOUTH ST/FDR SB RAMP  
**Address** : SOUTH ST,ENTRY RAMP TO FDR DR  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0027.0D0 / 4326 **Yr Built/Renovated** : 1954 /  
**Area Sq Ft** : 187,500 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 26-Aug-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 223201D

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$390,800	\$4,026,400
<b>Total</b>	<b>\$390,800</b>	<b>\$4,026,400</b>
Importance Code A	\$178,500	\$241,500
Importance Code B	\$212,400	\$3,784,900
<b>Total</b>	<b>\$390,800</b>	<b>\$4,026,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$44,800	\$31,700	\$403,800	
<b>Total</b>	<b>\$44,800</b>	<b>\$31,700</b>	<b>\$403,800</b>	
Importance Code A	\$14,200		\$24,200	
Importance Code B	\$2,900		\$379,600	
Importance Code C	\$27,800	\$31,700		
<b>Total</b>	<b>\$44,800</b>	<b>\$31,700</b>	<b>\$403,800</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**SOUTH ST/FDR SB RAMP**  
**Asset # : 4326**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Pier Protection								
Concrete	100%	4+	\$2,900	LIFE			**	
			<i>Spalling, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
Piers								
Cap Beam								
Steel	60%	4+	\$178,500	LIFE		**	2-8	\$224,300
			<i>Corrosion, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
Steel	40%			LIFE		**	2-8	\$224,300
Pier,Columns								
Steel	60%			LIFE		**	2-8	\$105,400
Steel	40%	4+	\$150,500	LIFE		**	2-8	\$105,400
			<i>Corrosion, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Rust Stains, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Riprap	100%			LIFE		**		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Not Visible Due To High Tide</i>					
Piles								
Not Accessible	100%							
Deck Elements								
Railings/Parapets								
Concrete	100%			2036		**	4	\$42,500
Wearing Surface								
Concrete	70%			2036		**	5	\$63,400
Concrete	30%	4+	\$27,800	2036		**	5	\$31,700
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Scupper								
Cast Iron	100%			LIFE		**		
Superstructure								
Deck,Structural								
Concrete	100%			LIFE		**	5	\$22,600
Joints								
Generic	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**SOUTH ST/FDR SB RAMP**  
**Asset # : 4326**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Primary Member								
Steel	100%			LIFE	**	2-8	\$88,700	
		<i>Rust Stains, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations Throughout</i>						
Secondary Member								
Steel	85%			LIFE	**	2-8	\$2,903,700	
		<i>Rust Stains, Extent : Light, Area Affected : 3%</i>						
		<i>Location : Random Locations Throughout</i>						
Steel	15%	4+	\$61,900	LIFE	**	2-8	\$2,903,700	
		<i>Corrosion, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations Throughout</i>						

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : STILLWELL AVE. BRIDGE  
**Address** : CONEY ISLAND CREEK  
**Borough** : BROOKLYN  
**Program / Asset #** : DOT0164.000 / 13572  
**Area Sq Ft** : 17,000  
**Date of Survey** : 11-Dec-2017  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2240540  
**Agency's Number** : N/A  
**Yr Built/Renovated** :  
**Project Type** : HIGHWAY BRIDGES  
**Landmark Status** : NONE

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$35,900	\$993,500
<b>Total</b>	<b>\$35,900</b>	<b>\$993,500</b>
Importance Code C	\$35,900	\$993,500
<b>Total</b>	<b>\$35,900</b>	<b>\$993,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$78,800		\$500	
<b>Total</b>	<b>\$78,800</b>		<b>\$500</b>	
Importance Code A	\$26,700		\$500	
Importance Code C	\$52,100			
<b>Total</b>	<b>\$78,800</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**STILLWELL AVE. BRIDGE**  
**Asset # : 13572**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	**			
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Feature Crossed</b>								
Bank Protection								
Riprap	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
<b>Approaches</b>								
Pavement								
Concrete	25%	4+	\$16,000	2038	**	4	\$39,400	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	75%			2025	\$957,600	4	\$59,000	
Curbs								
Concrete w/ Steel Face	100%	4+	\$16,500	LIFE	**			
			<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**	2-8	\$9,000	

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**STILLWELL AVE. BRIDGE**  
**Asset # : 13572**

Bridge Structure		Current 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>Approaches</b>								
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Railings/Parapets								
Steel	100%			LIFE			* *	
Sidewalks								
Concrete	10%	2-4	\$16,500	LIFE			* *	
		<i>Cracks, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Settlement, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Northeast Corner And Southeast Corner</i>						
		<i>Spalling, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations Throughout</i>						
Concrete	90%			LIFE			* *	
<b>Piers</b>								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Not Accessible	100%							
Stem,Solid Pier								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Piles								
Not Accessible	100%							
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	100%			LIFE			* *	
Railings/Parapets								
Steel	100%			LIFE		2-8	\$17,700	
Sidewalks								
Concrete	100%			2034		5	\$10,200	
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations Throughout</i>						
Wearing Surface								
Concrete	100%			2038		5	\$71,700	
		<i>Other Observation, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Explanation : Water Ponding</i>						

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**STILLWELL AVE. BRIDGE**  
**Asset # : 13572**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements								
Scupper								
Cast Iron	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Total 4 Of Scuppers</i>								
Superstructure								
Deck,Structural								
Not Accessible	100%							
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : TIFFANY STREET BRIDGE TIFFANY ST./AMTRAK  
**Address** : TIFFANY STREET  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0182.000 / 13716 **Yr Built/Renovated** : 1908 /  
**Area Sq Ft** : 7,267 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 23-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2241170

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure		\$580,700
<b>Total</b>		<b>\$580,700</b>
Importance Code C		\$580,700
<b>Total</b>		<b>\$580,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$72,900		\$100	\$1,700
<b>Total</b>	<b>\$72,900</b>		<b>\$100</b>	<b>\$1,700</b>
Importance Code A			\$100	
Importance Code B	\$15,200			
Importance Code C	\$57,700			\$1,700
<b>Total</b>	<b>\$72,900</b>		<b>\$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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**TIFFANY STREET BRIDGE TIFFANY ST./AMTRAK**  
**Asset # : 13716**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$15,200	LIFE		**		
			<i>Loose Elements, Extent : Light, Area Affected : 15%</i>					
			<i>Location : Both Abutments</i>					
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Feature Crossed</b>								
Mat (scour & erosion)								
Generic	100%			LIFE		**		
<b>Approaches</b>								
Pavement								
Asphalt	100%	4+	\$29,000	2029	\$580,700	4	\$12,100	
			<i>Cracks, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Settlement, Extent : Light, Area Affected : 15%</i>					
			<i>Location : Random Locations</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Both Approaches</i>					
			<i>Explanation : Consists Of 50 Percent Asphalt And 50 Percent Concrete</i>					
Concrete	100%	4+	\$17,700	2037		**	4	\$18,100
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
<b>Curbs</b>								
Concrete w/ Steel Face	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**TIFFANY STREET BRIDGE TIFFANY ST./AMTRAK**  
**Asset # : 13716**

Bridge Structure		Current 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>Approaches</b>								
Embankment								
Earth	100%			LIFE	**			
Railings/Parapets								
Concrete	100%			2037	**	4		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Both Approaches</i>								
<i>Explanation : Consists Of 50% Concrete And 50% Metal Fence</i>								
Steel	100%			LIFE	**			
<b>Sidewalks</b>								
Concrete	95%			LIFE	**			
Concrete	5%	4+	\$1,500	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Concrete	100%			2037	**	4		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Both Sides</i>								
<i>Explanation : Consists Of 50 Percent Concrete And 50 Percent Corrugated Steel Sheeting</i>								
Steel	100%			LIFE	**	2-8	\$3,700	
<b>Sidewalks</b>								
Concrete	100%			2033	**	5	\$3,500	
<b>Wearing Surface</b>								
Concrete	100%	4+	\$9,500	2037	**	5	\$20,600	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<b>Superstructure</b>								
Deck, Structural								
Not Accessible	100%							
Joints								
Not Accessible	100%							
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : TRANSIT AUTHORITY YARD BRIDGE BEDFORD PARK BLVD/NYCTA IND YARD  
**Address** : BEDFORD PK BLVD,JEROME-PAUL AV  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0059.000 / 2484 **Yr Built/Renovated** : 1936 / 2000  
**Area Sq Ft** : 46,300 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 08-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241930

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$105,700	\$81,100
<b>Total</b>	<b>\$105,700</b>	<b>\$81,100</b>
Importance Code C	\$105,700	\$81,100
<b>Total</b>	<b>\$105,700</b>	<b>\$81,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$72,000		\$700	
<b>Total</b>	<b>\$72,000</b>		<b>\$700</b>	
Importance Code A	\$33,200		\$700	
Importance Code B	\$15,200			
Importance Code C	\$23,600			
<b>Total</b>	<b>\$72,000</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**TRANSIT AUTHORITY YARD BRIDGE BEDFORD PARK BLVD/NYCTA IND YARD**  
**Asset # : 2484**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$15,200	LIFE			**	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Both Sides</i>								
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Feature Crossed</b>								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Pier Protection								
Not Accessible	100%							
<b>Approaches</b>								
Pavement								
Concrete	100%	4+	\$18,400	2036		**	4	\$30,800
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : At Joint Of South Abutment</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
<i>Corrosion, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Embankment								
Generic	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**TRANSIT AUTHORITY YARD BRIDGE BEDFORD PARK BLVD/NYCTA IND YARD**  
**Asset # : 2484**

Bridge Structure		Current 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>Approaches</b>								
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2036	**	4		
Sidewalks								
Concrete	100%	4+	\$5,200	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : North Approach</i>								
<b>Piers</b>								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Not Accessible	100%							
Stem,Solid Pier								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Piles								
Not Accessible	100%							
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Concrete	100%	4+	\$33,200	2036	**	4	\$14,300	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Western Side</i>								
Steel	100%			LIFE	**	2-8	\$19,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Chain Link Fence</i>								
Sidewalks								
Concrete	100%	4+	\$48,700	2032	**	5	\$17,100	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Map Cracking At Western Sidewalk, Random Cracks Throughout Both Sides</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**TRANSIT AUTHORITY YARD BRIDGE BEDFORD PARK BLVD/NYCTA IND YARD**  
**Asset # : 2484**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Wearing Surface								
Concrete	100%	4+	\$57,000	2036	**	5	\$81,100	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Superstructure								
Deck, Structural								
Not Accessible	100%							
Joints								
Generic	100%			LIFE	**			
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : TRANSIT AUTHORITY YARD BRIDGE W 205 ST/NYCTA IND YARDS  
**Address** : W205TH ST, JEROME-PAUL AVES  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0060.000 / 2485 **Yr Built/Renovated** : 1935 /  
**Area Sq Ft** : 37,800 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 01-Dec-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241940

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$485,800	\$1,010,000
<b>Total</b>	<b>\$485,800</b>	<b>\$1,010,000</b>
Importance Code C	\$485,800	\$1,010,000
<b>Total</b>	<b>\$485,800</b>	<b>\$1,010,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$134,900		\$1,200	
<b>Total</b>	<b>\$134,900</b>		<b>\$1,200</b>	
Importance Code A	\$38,800		\$1,200	
Importance Code B	\$15,200			
Importance Code C	\$80,900			
<b>Total</b>	<b>\$134,900</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**TRANSIT AUTHORITY YARD BRIDGE W 205 ST/NYCTA IND YARDS**

**Asset # : 2485**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$15,200	LIFE			**	
			<i>Spalling, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Along West Joint Header</i>					
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE			**	
<b>Approaches</b>								
Pavement								
Asphalt	25%	2-4	\$29,500	2030		**	4	\$8,100
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : East Approach</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : East Approach</i>					
			<i>Explanation : Uneven Surface</i>					
Asphalt	75%			2023	\$442,900		4	\$12,100
Concrete	45%	4+	\$16,500	2038		**	4	\$61,700
			<i>Delaminations, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Along West Joint Header</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : West Joint Header</i>					
Concrete	55%			2025	\$1,010,000		4	\$92,500
<b>Curbs</b>								
Concrete w/ Steel Face	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**TRANSIT AUTHORITY YARD BRIDGE W 205 ST/NYCTA IND YARDS**

**Asset # : 2485**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Embankment								
Earth	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Railings/Parapets								
Concrete	100%			2038	**	4	\$1,200	
Steel	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Chain Link Fence</i>						
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Not Accessible	100%							
Stem,Solid Pier								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%	4+	\$28,700	2038	**	4	\$12,400	
		<i>Cracks, Extent : Light, Area Affected : 2%</i>						
		<i>Location : North Side</i>						
Steel	100%			LIFE	**	2-8	\$26,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Chain Link Fence</i>						
Sidewalks								
Concrete	100%	4+	\$42,900	2034	**	5	\$15,100	
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Throughout</i>						

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**TRANSIT AUTHORITY YARD BRIDGE W 205 ST/NYCTA IND YARDS**

**Asset # : 2485**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements								
Wearing Surface								
Concrete	100%			2038		**	5	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Superstructure								
Deck, Structural								
Not Accessible	100%							
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : WEST 158TH STREET BRIDGE W 158TH ST./AMTRAK 30 ST BRANCH  
**Address** : RAMP TO W. 158TH STREET / AMTRAK RAILS  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0157.000 / 13520 **Yr Built/Renovated** :  
**Area Sq Ft** : 29,170 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 30-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2245250

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure		\$666,900
<b>Total</b>		<b>\$666,900</b>
Importance Code A		\$288,700
Importance Code B		\$288,700
Importance Code C		\$89,500
<b>Total</b>		<b>\$666,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$90,400		\$58,500	
<b>Total</b>	<b>\$90,400</b>		<b>\$58,500</b>	
Importance Code A	\$6,700		\$29,500	
Importance Code B	\$18,800		\$29,000	
Importance Code C	\$64,900			
<b>Total</b>	<b>\$90,400</b>		<b>\$58,500</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.



**DEPARTMENT OF TRANSPORTATION - 841**  
**WEST 158TH STREET BRIDGE W 158TH ST./AMTRAK 30 ST BRANCH**  
**Asset # : 13520**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Pavement								
Concrete	100%	4+	\$17,200	2037	**	4	\$55,500	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Concrete	100%			2037	**	4		
Steel	100%			LIFE	**			
Sidewalks								
Concrete	100%			LIFE	**			
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 2%</i>								
<i>Location : Pier 5</i>								
Pier,Columns								
Concrete	100%			LIFE	**			
Stem,Solid Pier								
Concrete	100%			LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 20%</i>								
<i>Location : Pier 6</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Pier 6</i>								
<i>Explanation : Map Cracks</i>								
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**	2-8	\$9,800	
<i>Corrosion, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WEST 158TH STREET BRIDGE W 158TH ST./AMTRAK 30 ST BRANCH**  
**Asset # : 13520**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : East Side Only</i>								
<i>Explanation : Concrete Curb With Steel Facing</i>								
<hr/>								
<b>Railings/Parapets</b>								
Concrete	100%	4+	\$6,700	2037		**	4	\$400
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Span 4</i>								
Steel	100%			LIFE		**	2-8	\$4,600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : East And West Sides</i>								
<i>Explanation : Steel Railing And Concrete Parapet At West Side. Steel Fence And Steel Railing At East Sides</i>								
<hr/>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$10,900	2033		**	5	\$7,400
<i>Cracks, Extent : Light, Area Affected : 4%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Wearing Surface</b>								
Concrete	100%	4+	\$32,800	2037		**	5	\$89,500
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Scupper</b>								
Ductile Iron	100%			LIFE		**		
<hr/>								
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Concrete	100%			LIFE		**	5	\$32,100
<i>Other Observation, Extent : Light, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Stay In Place Forms</i>								
<hr/>								
<b>Joints</b>								
Generic	100%	4+	\$3,900	LIFE		**		
<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Span 4 Expansion Joint</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Span 4</i>								
<i>Explanation : Sealant Missing</i>								
<hr/>								
<b>Primary Member</b>								
Steel	100%			LIFE		**	2-8	\$539,300
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Span 6</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WEST 158TH STREET BRIDGE W 158TH ST./AMTRAK 30 ST BRANCH**  
**Asset # : 13520**

Bridge Structure	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure Secondary Member Steel	100%			LIFE	**	2-8	\$451,700	

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : WESTCHESTER AVE. BRIDGE OVER AMTRAK/ CSXT/ P AND W  
Address : WESTCHESTER AVE.  
Borough : BRONX Agency's Number : N/A  
Program / Asset # : DOT0161.000 / 13569 Yr Built/Renovated : 1907 /  
Area Sq Ft : 15,600 Project Type : HIGHWAY BRIDGES  
Date of Survey : 22-Dec-2017 Landmark Status : NONE  
Areas Surveyed :  
Block : Lot : BIN : 2241230

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$35,600		\$500	\$34,900
<b>Total</b>	<b>\$35,600</b>		<b>\$500</b>	<b>\$34,900</b>
Importance Code A	\$4,000		\$500	
Importance Code C	\$31,500			\$34,900
<b>Total</b>	<b>\$35,600</b>		<b>\$500</b>	<b>\$34,900</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**WESTCHESTER AVE. BRIDGE OVER AMTRAK/ CSXT/ P AND W**  
**Asset # : 13569**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Steel	100%			LIFE		**		
			<i>Cracks, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Northwest Corner</i>					
			<i>Spalling, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Northwest And Southeast Sides</i>					
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Approaches</b>								
Pavement								
Asphalt	100%	4+	\$23,600	2030		**	4	\$18,600
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : East Approach South Side</i>					
			<i>Rust Stains, Extent : Light, Area Affected : 15%</i>					
			<i>Location : Throughout</i>					
Embankment								
Earth	100%			LIFE		**		
Mat (scour & erosion)								
Earth	100%			LIFE		**		

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Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WESTCHESTER AVE. BRIDGE OVER AMTRAK/ CSXT/ P AND W**  
**Asset # : 13569**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Railings/Parapets								
Concrete	100%			2038	**	4	\$300	
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Steel Panel Wall</i>								
Sidewalks								
Concrete	100%	4+	\$7,900	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Piers								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Not Accessible	100%							
Stem,Solid Pier								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Median								
Concrete	100%			LIFE	**	5	\$1,400	
Railings/Parapets								
Concrete	100%			2038	**	4	\$400	
Steel	100%			LIFE	**	2-8	\$8,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Steel Panel Wall</i>								
Sidewalks								
Concrete	100%			2034	**	5	\$7,500	
Wearing Surface								
Concrete	100%			2038	**	5	\$69,800	
Superstructure								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WESTCHESTER AVE. BRIDGE OVER AMTRAK/ CSXT/ P AND W**  
**Asset # : 13569**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Deck, Structural								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Material Is Concrete</i>								
Joints								
Generic	100%			LIFE			* *	
Primary Member								
Not Accessible	100%							
Secondary Member								
Not Accessible	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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : 145TH STREET BRIDGE 145TH ST BRIDGE/HARLEM RIVER  
**Address** : HARLEM RIVER, HARLEM RIV DR.  
**Borough** : MANHATTAN:BX. **Agency's Number** : N/A  
**Program / Asset #** : DOT0043.000 / 2468 **Yr Built/Renovated** : 1900 / 2007  
**Area Sq Ft** : 56,732 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 09-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240089

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$2,627,900	\$1,331,700
Bridge Mechanical	\$101,700	
<b>Total</b>	<b>\$2,729,500</b>	<b>\$1,331,700</b>
Importance Code A	\$933,900	\$933,900
Importance Code B	\$675,600	\$397,800
Importance Code C	\$1,120,000	
<b>Total</b>	<b>\$2,729,500</b>	<b>\$1,331,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$371,900	\$26,700	\$126,800	
Bridge Electrical	\$8,700	\$6,300	\$6,300	\$6,300
Bridge Mechanical	\$128,200	\$58,400	\$67,400	\$58,400
<b>Total</b>	<b>\$508,700</b>	<b>\$91,400</b>	<b>\$200,500</b>	<b>\$64,700</b>
Importance Code A	\$299,400		\$86,900	
Importance Code B	\$209,200	\$64,700	\$113,600	\$64,700
Importance Code C		\$26,700		
<b>Total</b>	<b>\$508,700</b>	<b>\$91,400</b>	<b>\$200,500</b>	<b>\$64,700</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**145TH STREET BRIDGE 145TH ST BRIDGE/HARLEM RIVER**  
**Asset # : 2468**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals Concrete	100%			LIFE		**		
Backwall Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads Elastomeric	100%			2059		**		
Footings Not Accessible	100%							
Joint with Deck Generic	100%			LIFE		**		
Pedestals Concrete	100%			LIFE		**		
Stem (breastwall) Concrete	100%			LIFE		**		
<b>Wingwalls</b>								
Footings Not Accessible	100%							
Piles Not Accessible	100%							
Walls Granite	100%			LIFE		**		
<b>Feature Crossed</b>								
Bank Protection Concrete	100%	2-4	\$1,120,000	LIFE		**		
			<i>Spalling, Extent : Severe, Area Affected : 25%</i>					
			<i>Location : The Concrete Bulkhead Under Span 3 On The Right Side Is Spalled On Rotting Timber Cribbing.</i>					
Riprap	100%			LIFE		**		
Timber	100%			2037		**		
Mat (scour & erosion) Not Accessible	100%							
Pier Protection Timber	10%	0-2	\$176,100	LIFE		**		
			<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>					
			<i>Location : Piers 3 And 5 Right Side Dolphins</i>					
			<i>Rotted, Extent : Moderate, Area Affected : 25%</i>					
			<i>Location : Piers 3 And 5 Right Side Dolphins</i>					
			<i>Split/Dry/Cracked, Extent : Moderate, Area Affected : 25%</i>					
			<i>Location : Piers 3 And 5</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Piers 3 And 5</i>					
			<i>Explanation : Exhibits Impact Damage To Dolphins.</i>					
Timber	90%			LIFE		**		
			<i>Other Observation, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Pier 4</i>					
			<i>Explanation : New Pier Protection.</i>					
<b>Approaches</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**145TH STREET BRIDGE 145TH ST BRIDGE/HARLEM RIVER**  
**Asset # : 2468**

Bridge Structure		Current 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>Approaches</b>								
Pavement								
Asphalt	100%			2033	**	4	\$80,000	
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**	2-8		
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE	**			
<b>Piers</b>								
Cap Beam								
Concrete	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Piers 6 And 7.</i>						
		<i>Explanation : Concrete Cap Beam</i>						
Stem,Solid Pier								
Concrete	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Piers 1 Through 3 And 5 Through 7.</i>						
		<i>Explanation : Concrete Pier Stem</i>						
Granite	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Piers 3 And 5.</i>						
		<i>Explanation : Granite Facade.</i>						
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2059	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Piers 1 Through 3 And 5 Through 7.</i>						
		<i>Explanation : Elastomeric Bearings. For Spans 1 Through 3 And 6 Through 8.</i>						
Steel	100%			LIFE	**	2-8		
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Piers 3, 4, 5.</i>						
		<i>Explanation : Steel Bearings. For Spans 4 And 5.</i>						
Footings								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE	**			
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 1 Through 3 And 6 Through 8.</i>						
		<i>Explanation : Spans 1 Through 3 And 6 Through 8.</i>						
Guide Railing								
Steel	100%			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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**145TH STREET BRIDGE 145TH ST BRIDGE/HARLEM RIVER**  
**Asset # : 2468**

Bridge Structure		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>Deck Elements</b>								
Railings/Parapets								
Steel	75%			LIFE	**	2-8	\$46,900	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Spans 1 Through 3 And 6 Through 8.</i>							
	<i>Explanation : Chain Link Fence Both Sides</i>							
Steel	25%			LIFE	**	2-8	\$46,900	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Spans 4 And 5.</i>							
	<i>Explanation : Chain Link Fence And Pedestrian Railing On Both Sides.</i>							
<b>Sidewalks</b>								
Concrete	100%			2039	**	5	\$29,000	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Spans 1 Through 3 And 6 Through 8.</i>							
	<i>Explanation : Spans 1 Through 3 And 6 Through 8.</i>							
Grating w/ Concrete	100%			2059	**			
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Spans 4 And 5.</i>							
	<i>Explanation : Spans 4 And 5.</i>							
<b>Wearing Surface</b>								
Asphalt	100%			2034	**	5	\$45,500	
<b>Superstructure</b>								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$138,300	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Spans 1, 3 And 6 Through 8.</i>							
	<i>Explanation : Spans 1, 3 And 6 Through 8.</i>							
Grating w/ Concrete	100%			LIFE	**			
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Spans 4 And 5.</i>							
	<i>Explanation : Spans 4 And 5.</i>							
<b>Joints</b>								
Steel	100%			LIFE	**			
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Piers 3 And 5.</i>							
	<i>Explanation : Piers 3 And 5.</i>							
Generic	100%			LIFE	**			
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Piers 1, 2 And 6 Through 7.</i>							
	<i>Explanation : Piers 1, 2 And 6 Through 7.</i>							

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**145TH STREET BRIDGE 145TH ST BRIDGE/HARLEM RIVER**  
**Asset # : 2468**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Primary Member								
Concrete	100%			LIFE	**	5		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 2.</i>								
<i>Explanation : Span 2.</i>								
Steel	100%			LIFE	**	2-8	\$2,707,800	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 3 And 6 Through 8.</i>								
<i>Explanation : Spans 1, 3 And 6 Through 8.</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$1,092,600	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 3 And 6 Through 8.</i>								
<i>Explanation : Spans 1, 3 And 6 Through 8.</i>								
Movable Bridges								
Swing Span Truss								
Steel	100%			LIFE	**			
Swing Span Pivot Pier								
Concrete	100%			LIFE	**			

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Intercom								
Generic	100%			2029	\$15,000			
Telephone								
Desk Top	100%			2029				
Control System Electrical								
Computer								
PLC	100%	Now	\$1,300	2029	\$25,800			
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Machinery Room</i>								
<i>Explanation : Uninterruptible Power Source For Programmable Logic Controller Power Has Failed And Is Bypassed.</i>								
Control Console								
Stainless Steel	100%			LIFE	**			
Control Devices								
Relay	100%			2049	**			
Disconnect Switch								
Non Fused	100%			2049	**	1	\$35,900	
Limit Switch								
Generic	100%			2049	**			
Local Starter								
Magnetic	100%			2049	**			

## Drive

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**145TH STREET BRIDGE 145TH ST BRIDGE/HARLEM RIVER**

**Asset # : 2468**

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Drive</b>								
Machinery Brake Thruster	100%			2059	**	1	\$600	
Motor Brake Thruster	100%			2059	**	1	\$1,100	
<b>Electrical Power</b>								
<b>MCC</b>								
Generic	100%			2049	**			
<b>Panelboard</b>								
Circuit Breaker	100%			2049	**	1	\$6,700	
<b>Transfer Switch</b>								
Auto	100%			2049	**			
<b>Transformer</b>								
Dry	100%			2049	**			
<b>Exterior Lighting</b>								
<b>Lighting Contactor</b>								
Generic	100%			2049	**	1	\$5,600	
<b>Lighting Fixture</b>								
HID	100%			2029				
<b>Ground/Lightning Protection</b>								
<b>Ground Bus</b>								
Copper	100%			2034	**			
<b>Ground Rod</b>								
Not Accessible	100%							
<b>Ground Wire</b>								
Green	100%			2034	**			
<b>Lightning Terminals</b>								
Copper	100%			2029	\$1,400			
<b>Interior Lighting</b>								
<b>Exit Lighting</b>								
Battery Operated	100%			2034	**			
<b>Lighting Fixture</b>								
Fluorescent	100%			2034	**	1	\$5,600	
<b>Raceway</b>								
<b>Box</b>								
Terminal	100%			2039	**	1	\$4,500	
<b>Collector Ring</b>								
Metal	100%			2039	**			
<b>Communications</b>								
Twisted Shielded pair	100%			2029				
<b>Conduit</b>								
Metal	100%			2069	**			
<b>Submarine Control Cables</b>								
Control	100%			2034	**			
<b>Submarine Power Cable</b>								
Power	100%			2034	**			
<b>Wires</b>								
Thermoplastic	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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**145TH STREET BRIDGE 145TH ST BRIDGE/HARLEM RIVER**  
**Asset # : 2468**

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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 Switch								
Auto	100%			2049	**			
Traffic System Electrical								
Barrier Gate Lighting								
Incandescent	100%			2029		1	\$1,100	
Traffic Gate Lighting								
Incandescent	100%			2029		1	\$1,100	
Traffic Gong								
Generic	100%			2029		1	\$600	
Traffic Signal								
Generic	100%			2029		1	\$600	
Lighting								
Lighting Devices								
Generic	40%	Now	\$800	2034	**			
	<i>Other Observation, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Center Pier</i>							
	<i>Explanation : Incandescent Fender Lighting - 2 Lights Out</i>							
Generic	10%	Now	\$200	2034	**			
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : West Pier</i>							
	<i>Explanation : Incandescent Pier Lighting - 2 Lights Out</i>							
Generic	50%			2034	**			

<b>Bridge Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Swing								
Center Latch								
Generic	100%	Now	\$34,700	2069	**	2	\$18,000	
	<i>Other Observation, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Center Latches</i>							
	<i>Explanation : No Operation Observed. Some Adjustment May Be Required</i>							
Center Pivot								
Generic	100%			2069	**	2	\$67,400	
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Center Pivot</i>							
	<i>Explanation : No Operation Observed</i>							
Emergency Drive								
Emergency Power	100%	2-4	\$8,600	2069	**	2	\$35,900	
	<i>Other Observation, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Hydraulic Power Unit</i>							
	<i>Explanation : Could Not Test. Some Old Fluid At The Bottom Of The Containment</i>							

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**145TH STREET BRIDGE 145TH ST BRIDGE/HARLEM RIVER**  
**Asset # : 2468**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Swing								
End Lift								
Generic	100%	Now	\$26,400	2069	**	2	\$35,900	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : End Lift</i>								
<i>Explanation : No Operation Observed. Minor Oil Leakage.</i>								
Fuel Tanks								
Generic	100%			2049	**			
Houses								
Control House	100%	Now	\$12,300	2069	**			
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Bathroom And Approach Houses</i>								
<i>Explanation : Plumbing For The Bathroom Requires Repair. No Running Water. Repair Required For Floor In One House.</i>								
Main Drive System								
Generic	50%	Now	\$14,900	2069	**	2	\$179,600	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Drive Machinery</i>								
<i>Explanation : Some Bolts Require Paint. Secondary Reducers Do Not Have Sight Gauge. No Operation Observed.</i>								
Generic	50%			2069	**	2	\$224,500	
Structural Bearings								
Generic	100%			2044	**			
Traffic Devices								
Barrier Gate	100%	Now	\$31,300	2044	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : No Operation Observed. Southwest Gate Reported Not Working. One Door Damaged.</i>								
Warning Gate	100%	Now	\$101,700	2044	**			
<i>Other Observation, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Northwest And Southwest Gate</i>								
<i>Explanation : No Operation Observed. Arm Bent. Northwest And Southwest Gate Operation Reported Problematic.</i>								

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BELT PARKWAY EAST BOUND OVER PAERDEGAT BASIN  
**Address** : BELT SHORE PARKWAY  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0023.020 / 14776 **Yr Built/Renovated** : 2011 /  
**Area Sq Ft** : 81,644 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 15-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231482

**CAPITAL**

**Total**

Importance Code

**Total**

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure			\$36,500	
<b>Total</b>			<b>\$36,500</b>	
Importance Code A			\$12,000	
Importance Code C			\$24,500	
<b>Total</b>			<b>\$36,500</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**BELT PARKWAY EAST BOUND OVER PAERDEGAT BASIN**

**Asset # : 14776**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%			LIFE	**			
Backwall Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads Multi-Rotational Bearing	100%			2067	**			
Footings Not Accessible	100%							
Joint with Deck Steel	100%			LIFE	**			
Mat (scour & erosion) Generic	100%			LIFE	**			
Pedestals Concrete	100%			LIFE	**			
Stem (breastwall) Concrete	100%			LIFE	**			
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion) Generic	100%			LIFE	**			
Piles Not Accessible	100%							
Walls Concrete	100%			LIFE	**			
Feature Crossed								
Bank Protection Riprap	100%			LIFE	**			
Mat (scour & erosion) Stream Bed	100%			LIFE	**			
Pier Protection Wood	100%			2042	**			
Approaches								
Pavement Concrete	100%			2042	**	4	\$19,800	
Embankment Not Accessible	100%							
Guide Railing Concrete	100%			2042	**	4	\$2,200	
Steel	100%			LIFE	**	2-8		
Mat (scour & erosion) Not Accessible	100%							
Pavement Base 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BELT PARKWAY EAST BOUND OVER PAERDEGAT BASIN**

**Asset # : 14776**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Railings/Parapets								
Concrete	100%			2042	**	4	\$1,200	
Steel	100%			LIFE	**			
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
Pier,Columns								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Multi-Rotational Bearing	100%			2067	**			
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Guide Railing								
Concrete	100%			2047	**			
Steel	100%			LIFE	**			
Railings/Parapets								
Concrete	100%			2042	**	4	\$18,800	
Steel	100%			LIFE	**	2-8	\$25,800	
Sidewalks								
Concrete	100%			2037	**	5	\$29,200	
Wearing Surface								
Concrete	100%			2042	**	5		
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5		
Primary Member								
Steel	100%			LIFE	**	2-8		
Secondary Member								
Steel	100%			LIFE	**	2-8		

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BELT PARKWAY WEST BOUND OVER PAERDEGAT BASIN  
**Address** : BELT SHORE PARKWAY  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0023.010 / 14775 **Yr Built/Renovated** : 2011 /  
**Area Sq Ft** : 47,361 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 15-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231481

**CAPITAL**

**Total**

Importance Code

**Total**

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure			\$30,200	
<b>Total</b>			<b>\$30,200</b>	
Importance Code A			\$15,600	
Importance Code C			\$14,600	
<b>Total</b>			<b>\$30,200</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**BELT PARKWAY WEST BOUND OVER PAERDEGAT BASIN**

**Asset # : 14775**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%			LIFE	**			
Backwall Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads Multi-Rotational Bearing	100%			2067	**			
Footings Not Accessible	100%							
Joint with Deck Steel	100%			LIFE	**			
Mat (scour & erosion) Generic	100%			LIFE	**			
Pedestals Concrete	100%			LIFE	**			
Stem (breastwall) Concrete	100%			LIFE	**			
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion) Generic	100%			LIFE	**			
Piles Not Accessible	100%							
Walls Concrete	100%			LIFE	**			
Feature Crossed								
Bank Protection Riprap	100%			LIFE	**			
Mat (scour & erosion) Stream Bed	100%			LIFE	**			
Pier Protection Wood	100%			2042	**			
Approaches								
Pavement Concrete	100%			2042	**	4	\$29,100	
Embankment Not Accessible	100%							
Mat (scour & erosion) Not Accessible	100%							
Pavement Base Not Accessible	100%							
Railings/Parapets Concrete	100%			2042	**	4	\$3,000	
Steel	100%			LIFE	**			
Piers								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**BELT PARKWAY WEST BOUND OVER PAERDEGAT BASIN**

**Asset # : 14775**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
Pier,Columns								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Multi-Rotational Bearing	100%			2067	**			
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Railings/Parapets								
Concrete	100%			2042	**	4	\$25,700	
Steel	100%			LIFE	**	2-8	\$35,200	
Wearing Surface								
Concrete	100%			2042	**	5		
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5		
Primary Member								
Steel	100%			LIFE	**	2-8		
Secondary Member								
Steel	100%			LIFE	**	2-8		

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BELTSHORE PARKWAY BELT SHORE PKWY/FRESH CREEK  
**Address** : BELT SHORE PKWY AT FRESH CREEK  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0134.000 / 4214 **Yr Built/Renovated** : 1931 / 2013  
**Area Sq Ft** : 23,021 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 09-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231509

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$61,700	\$479,700
<b>Total</b>	<b>\$61,700</b>	<b>\$479,700</b>
Importance Code A		\$209,000
Importance Code B		\$209,000
Importance Code C	\$61,700	\$61,700
<b>Total</b>	<b>\$61,700</b>	<b>\$479,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$15,000		\$51,500	
<b>Total</b>	<b>\$15,000</b>		<b>\$51,500</b>	
Importance Code A			\$26,100	
Importance Code B			\$21,000	
Importance Code C	\$15,000		\$4,400	
<b>Total</b>	<b>\$15,000</b>		<b>\$51,500</b>	



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**DEPARTMENT OF TRANSPORTATION - 841**  
**BELTSHORE PARKWAY BELT SHORE PKWY/FRESH CREEK**

**Asset # : 4214**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%			LIFE	**			
Backwall Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads Elastomeric	100%			2057	**			
Footings Not Accessible	100%							
Joint with Deck Steel	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Near Abutment</i>						
		<i>Explanation : Backer Rod Falling Through</i>						
Mat (scour & erosion) Riprap	100%			LIFE	**			
Pedestals Concrete	100%			LIFE	**			
Stem (breastwall) Concrete	100%			LIFE	**			
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	**			
Piles Not Accessible	100%							
Walls Concrete	100%			LIFE	**			
Feature Crossed								
Bank Protection Riprap	100%			LIFE	**			
Mat (scour & erosion) Stream Bed	100%			LIFE	**			
Pier Protection Timber	100%			LIFE	**			
Approaches								
Pavement Concrete	100%			2040	**	4	\$45,100	
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Along Center Line And Random Transverse</i>						
Curbs Concrete	100%			LIFE	**			
Embankment Generic	100%			LIFE	**			
Guide Railing Concrete	100%			2042	**	4	\$2,800	
Steel	100%			LIFE	**	2-8	\$5,300	

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**BELTSHORE PARKWAY BELT SHORE PKWY/FRESH CREEK**

**Asset # : 4214**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**	5	\$1,100	
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2042	**	4	\$1,500	
Steel	100%			LIFE	**			
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Exposed Reinforcement, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Random Locations Throughout</i>					
Pier,Columns								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2057	**			
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete	100%			2057	**			
Guide Railing								
Concrete	100%			2047	**			
Steel	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**	5	\$2,000	
Railings/Parapets								
Concrete	100%			2042	**	4	\$4,900	
Steel	100%			LIFE	**	2-8	\$11,200	
Sidewalks								
Concrete	100%			2037	**	5	\$8,800	
Wearing Surface								
Concrete	100%			2042	**	5	\$123,300	
Scupper								
Cast Iron	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BELTSHORE PARKWAY BELT SHORE PKWY/FRESH CREEK**

**Asset # : 4214**

<b>Bridge Structure</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$23,200	
Primary Member								
Steel	100%			LIFE	**	2-8	\$390,400	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$327,100	

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

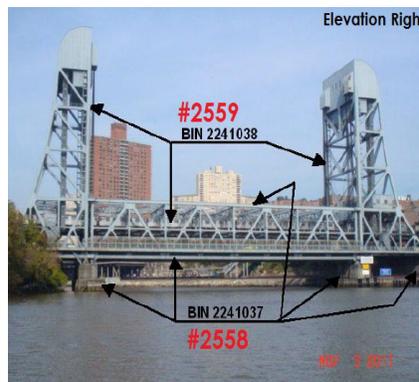
Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : **BROADWAY BRIDGE BROADWAY BRIDGE/HARLEM RIVER**  
 Address : **HARLEM RIVER, B'WAY**  
 Borough : **MANHATTAN** Agency's Number : **N/A**  
 Program / Asset # : **DOT0044.070 / 2558** Yr Built/Renovated :  
 Area Sq Ft : **38,100** Project Type : **WATERWAY BRIDGES**  
 Date of Survey : **28-May-2014** Landmark Status : **NONE**  
 Areas Surveyed :  
 Block : Lot : BIN : **2240137**

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$4,730,200	\$1,587,600
Bridge Electrical	\$8,421,400	\$144,000
Bridge Mechanical	\$3,834,300	\$4,411,900
<b>Total</b>	<b>\$16,985,900</b>	<b>\$6,143,500</b>
Importance Code A	\$4,395,500	\$753,500
Importance Code B	\$12,255,600	\$4,932,700
Importance Code C	\$334,700	\$457,400
<b>Total</b>	<b>\$16,985,900</b>	<b>\$6,143,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$53,600		\$120,900	
Bridge Electrical	\$19,100			
Bridge Mechanical	\$33,500			
<b>Total</b>	<b>\$106,200</b>		<b>\$120,900</b>	
Importance Code A	\$500		\$77,000	
Importance Code B	\$71,600		\$37,800	
Importance Code C	\$34,100		\$6,000	
<b>Total</b>	<b>\$106,200</b>		<b>\$120,900</b>	



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**DEPARTMENT OF TRANSPORTATION - 841**  
**BROADWAY BRIDGE BROADWAY BRIDGE/HARLEM RIVER**  
**Asset # : 2558**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Abutment - MTA Track. South Abutment - Fenced Off Area.</i>								
<i>Explanation : North Abutment - Mta Track. South Abutment - Fenced Off Area.</i>								
Backwall								
Granite	100%			LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Begin Abutment</i>								
<i>Explanation : Begin Abutment</i>								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : North Abutment - Mta Track.</i>								
<i>Explanation : North Abutment - Mta Track.</i>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : North Abutment - MTA Track. South Abutment - Fenced Off Area.</i>								
<i>Explanation : North Abutment - Mta Track. South Abutment - Fenced Off Area.</i>								
Footings								
Not Accessible	100%							
Joint with Deck								
Steel	100%			LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : End Abutment</i>								
<i>Explanation : End Abutment</i>								
Generic	100%			LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Begin Abutment</i>								
<i>Explanation : Begin Abutment</i>								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Pedestals								
Concrete	90%			LIFE			**	
Concrete	10%	2-4	\$500	LIFE			**	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : End Abutment Center Pedestal</i>								
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : End Abutment Center Pedestal</i>								
Stem (breastwall)								
Concrete	100%			LIFE			**	
Walls								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							

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**DEPARTMENT OF TRANSPORTATION - 841**  
**BROADWAY BRIDGE BROADWAY BRIDGE/HARLEM RIVER**  
**Asset # : 2558**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Wingwalls								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Walls								
Concrete	100%	2-4	\$241,700	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Begin And End Abutments</i>								
<i>Settlement, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Begin Abutment Left Side.</i>								
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Begin And End Abutments</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 20%</i>								
<i>Location : Begin Abutment</i>								
Feature Crossed								
Bank Protection								
Concrete	100%	4+	\$13,300	LIFE			**	
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Bank</i>								
Riprap	75%			LIFE			**	
Riprap	25%	0-2	\$3,600	LIFE			**	
<i>Erosion, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Missing Riprap Causing Erosion Of Earth Near Begin Abutment</i>								
Timber	100%			2030			**	
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	80%			LIFE			**	
Timber	20%	4+	\$19,000	LIFE			**	
<i>Rotted, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Piers 1 And 2 Top Of Dolphin Piles.</i>								
Approaches								
Pavement								
Asphalt	100%			2030		4	\$12,100	
Curbs								
Concrete w/ Steel Face	100%			LIFE			**	
Embankment								
Earth	100%			LIFE			**	
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Sidewalks								
Concrete	100%			LIFE			**	
Piers								
Footings								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Piers 1 And 2.</i>								
<i>Explanation : Piers 1 And 2.</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**BROADWAY BRIDGE BROADWAY BRIDGE/HARLEM RIVER**  
**Asset # : 2558**

Bridge Structure		Current 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>Piers</b>								
Mat (scour & erosion)								
Not Accessible	100%							
<b>Pedestals</b>								
Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 1 And 2.</i>								
<i>Explanation : Piers 1 And 2.</i>								
<b>Deck Elements</b>								
<b>Curbs</b>								
Steel	100%			LIFE		**		
<b>Gratings</b>								
Steel	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 2</i>								
<i>Explanation : Grating On Sidewalk Between Truss Members</i>								
<b>Median</b>								
Steel	100%			LIFE		**	4-8	\$41,200
<b>Mono Deck Surface</b>								
Concrete	90%			2045		**	5	\$186,000
Concrete	10%	4+	\$2,500	2045		**	5	\$93,000
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Spans 1 And 3</i>								
<b>Railings/Parapets</b>								
Steel	33%			LIFE		**	2-8	\$20,700
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 2</i>								
<i>Explanation : Steel Railing And High Fence On Each Side.</i>								
Steel	67%			LIFE		**	2-8	\$20,700
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1 And 3</i>								
<i>Explanation : Steel Railing On Each Side.</i>								
<b>Sidewalks</b>								
Grating w/ Concrete	100%			2045		**		
<b>Wearing Surface</b>								
Concrete	90%			2034		**	5	\$84,100
Concrete	10%	4+	\$3,100	2034		**	5	\$42,000
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Spans 1 And 3</i>								
Steel Grating	90%			LIFE		**	5	\$72,600
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 2</i>								
<i>Explanation : Span 2</i>								
Steel Grating	10%	Now	\$11,500	LIFE		**	5	\$72,600
<i>Broken, Missing Pave, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Pier 2</i>								

**Superstructure**

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**DEPARTMENT OF TRANSPORTATION - 841**  
**BROADWAY BRIDGE BROADWAY BRIDGE/HARLEM RIVER**  
**Asset # : 2558**

Bridge Structure		Current 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>Superstructure</b>								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$14,300	
Joints								
Steel	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Pier 2</i>						
		<i>Explanation : Pier 2</i>						
Steel Finger Joints	100%			2053	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Pier 1</i>						
		<i>Explanation : Pier 1</i>						
Primary Member								
Steel	90%			LIFE	**	2-8	\$703,700	
Steel	10%	4+	\$992,800	LIFE	**	2-8	\$703,700	
		<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Spans 1 And 3 Stringers Below The Joints At Abutments And Piers.</i>						
		<i>Loss of Section, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Spans 1 And 3 Stringers Below The Joints At Abutments And Piers.</i>						
Secondary Member								
Steel	100%			LIFE	**	2-8	\$589,500	
<b>Movable Bridges</b>								
Vertical Lift Span								
Steel	85%			LIFE	**			
Steel	10%	2-4	\$1,132,400	LIFE	**			
		<i>Other Observation, Extent : Severe, Area Affected : 15%</i>						
		<i>Location : Span 2</i>						
		<i>Explanation : Random Areas Of Corrosion And Section Loss</i>						
Steel	5%	Now	\$1,132,400	LIFE	**			
		<i>Other Observation, Extent : Severe, Area Affected : 15%</i>						
		<i>Location : Span 2</i>						
		<i>Explanation : Span 2 Has 17 Flagged Locations.</i>						
Vertical Lift Tower								
Steel	100%			LIFE	**			
Vertical Lift Pier								
Concrete	80%			LIFE	**			
Concrete	20%	4+	\$1,138,000	LIFE	**			
		<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>						
		<i>Location : Piers 1 And 2 Cap Beams</i>						
		<i>Explanation : Cracks And Spalls</i>						
<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Communication Electrical</b>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**BROADWAY BRIDGE BROADWAY BRIDGE/HARLEM RIVER**  
**Asset # : 2558**

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Communication Electrical</b>								
Communications								
Generic	100%	Now	\$36,100	2025	\$36,100			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Entire Bridge</i>								
<i>Explanation : 100% System Obsolete And Inoperative.</i>								
<b>Control System Electrical</b>								
Control Console								
Stainless Steel	100%	Now	\$19,100	LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Bridge Override Switches</i>								
<i>Explanation : Key Covers To Override Switches Missing. Some Indication Lights Not Functioning</i>								
Disconnect Switch								
Generic	100%			2023	\$72,000			
Limit Switch								
Generic	100%			2023	\$132,900			
<b>Electrical Power</b>								
Dist Equip & Motor Controll								
Generic	100%	Now	\$750,900	2023	\$3,754,500			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Motor Control Center</i>								
<i>Explanation : Bridge Not Operable Due To Control System Issues.</i>								
<b>Raceway</b>								
Submarine Control Cables								
Generic	100%	2-4	\$1,735,600	2030		**		
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Submarine Cable Cabinets</i>								
<i>Explanation : No Spares Remaining. Conductors Fail Randomly.</i>								
Wiring								
Generic	100%			2023	\$1,672,700			
<b>Traffic System Electrical</b>								
Traffic Signal								
Generic	100%	Now	\$35,400	2020	\$177,200			
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : All</i>								
<i>Explanation : Underground Conduit Damaged Gongs Not Operational.</i>								
<b>Lighting</b>								
Lighting Devices								
Generic	100%	Now	\$54,000	2029	\$107,900			
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : West Light Fixture</i>								
<i>Explanation : The Entire Span Lighting Fixture Is Missing.</i>								

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

**Vertical Lift**

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**DEPARTMENT OF TRANSPORTATION - 841**  
**BROADWAY BRIDGE BROADWAY BRIDGE/HARLEM RIVER**

**Asset # : 2558**

Bridge Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Vertical Lift								
Buffers								
Generic	100%	Now	\$33,500	2028	\$334,700			
	<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Air Buffers</i>							
	<i>Explanation : Some Broken Fittings, One Upper Buffer Is Stuck In Up Position. Upper Buffers Appear To Have Not Worked In Some Time</i>							
Counter Weight Ropes & Gu								
Generic	100%	Now	\$86,900	2040		**		
	<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Ropes And Guides.</i>							
	<i>Explanation : No Operation Observed. North Span Guide Rails Bent. Pigeon Droppings And Accumulated Debris.</i>							
Counter Weight								
Auxiliary CTRWT	100%			2040		**		
Main CTRWT	100%	0-2	\$85,200	2040		**		
	<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Tops Of Counterweight</i>							
	<i>Explanation : North Tower Not Accessible. Top Of South Tower Has Some Coverage Of Pigeon Droppings And Debris.</i>							
Elevators								
Generic	100%	Now	\$294,000	2028	\$588,000			
	<i>Other Observation, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : North And South Elevators.</i>							
	<i>Explanation : Both Elevators Are Not Operational.</i>							
Emergency Drive								
Emergency Power	100%			2040		**		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Emergency Power</i>							
	<i>Explanation : No Operation Observed.</i>							
End Locks								
With Motor	100%	Now	\$93,200	2040		**		
	<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Span Locks</i>							
	<i>Explanation : S E Motor Coupling Not Aligned, Damaged Seals, Missing Shaft End Covers, Corroded Bolts And Motor Feet, Adj Required</i>							

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**DEPARTMENT OF TRANSPORTATION - 841**  
**BROADWAY BRIDGE BROADWAY BRIDGE/HARLEM RIVER**  
**Asset # : 2558**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Vertical Lift								
Houses								
Access Ways	100%	Now	\$66,500	2028	\$665,000			
<i>Other Observation, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : All Areas</i>								
<i>Explanation : Access Ways Are Covered In Pigeon Droppings.</i>								
Control House	100%	Now	\$46,800	2028	\$936,500			
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Control House</i>								
<i>Explanation : Plumbing Not Working. Broken Window.</i>								
Machinery Room	100%	Now	\$162,800	2040		**		
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : South Machine Room, North Machine Room Not Accessible</i>								
<i>Explanation : South Machine Room - Broken Window And Corner Room Covered In Pigeon Droppings. North Tower Not Accessible</i>								
Main Drive System								
Generic	100%	Now	\$806,600	2040		**		
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South Machine Room, North Not Accessible</i>								
<i>Explanation : Not Operational. South Tower Sheave Rooms Covered In Pigeon Droppings And One Motor Brake Is Not Functioning.</i>								
Sheaves								
Generic	100%	4+	\$923,700	2040		**		
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Machine Room, North Not Accessible</i>								
<i>Explanation : Sheave Rooms Covered In Pigeon Droppings. No Operation Observed. Check During Operation</i>								
Structural Bearings								
Generic	100%	Now	\$38,100	2028	\$190,500			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Southwest</i>								
<i>Explanation : Movement At Live Load Support Under Traffic Loading.</i>								
Traffic Devices								
Barrier Gate	100%	Now	\$848,600	2028	\$1,697,300			
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : South Net Requires Adjustment. North Gate Net Missing. Repairs Required</i>								
Warning Gate	100%	Now	\$381,800	2040		**		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Warning Gates</i>								
<i>Explanation : All Gates Are Not Functioning, Crash Trucks Are Used Instead. Some Pedestrian Arm Missing.</i>								

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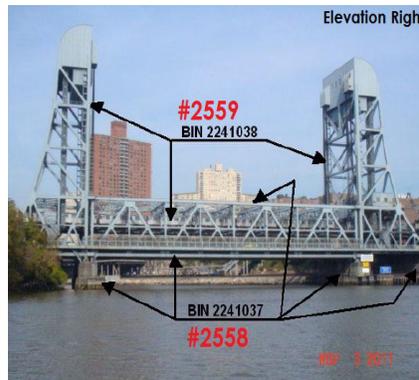
Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BROADWAY BRIDGE NYCTA IRT/HARLEM RIVER  
**Address** : HARLEM RIVER, B'WAY  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0044.080 / 2559 **Yr Built/Renovated** :  
**Area Sq Ft** : 38,100 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 22-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240138

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure		\$753,500
<b>Total</b>		<b>\$753,500</b>
Importance Code A		\$376,700
Importance Code B		\$376,700
<b>Total</b>		<b>\$753,500</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure			\$76,300	
<b>Total</b>			<b>\$76,300</b>	
Importance Code A			\$38,500	
Importance Code B			\$37,800	
<b>Total</b>			<b>\$76,300</b>	



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

**DEPARTMENT OF TRANSPORTATION - 841  
BROADWAY BRIDGE NYCTA IRT/HARLEM RIVER**

**Asset # : 2559**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Railings/Parapets Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Subway Platform</i>								
<i>Explanation : Steel Corrugated Deck</i>								
Sidewalks								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Subway Waiting Area</i>								
<i>Explanation : Subway Platform Adjacent To Tracks</i>								
Deck Elements								
Railings/Parapets Steel	100%			LIFE	**	2-8	\$21,200	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Safety Steel Fence</i>								
Sidewalks								
Fiberglass	100%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Sides Of The Tracks</i>								
<i>Explanation : Catwalk</i>								
Superstructure								
Deck,Structural Steel	100%			LIFE	**	2-8		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Subway Track</i>								
Timber	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Length Of The Bridge</i>								
<i>Explanation : Railroad Timber Ties</i>								
Primary Member Steel	100%			LIFE	**	2-8	\$703,700	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Secondary Member Steel	100%			LIFE	**	2-8	\$589,500	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Vertical Lift Tower Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Sits On Moveable Bridge- Asset 2558</i>								

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : CITY ISLAND BRIDGE CITY ISLAND ROAD/EASTCHESTER BAY  
**Address** : EASTCHESTER BAY, CITY ISL RD.  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0046.000 / 2470 **Yr Built/Renovated** : 1901 /  
**Area Sq Ft** : 29,019 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 28-Oct-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240210

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$3,177,400	\$2,007,500
<b>Total</b>	<b>\$3,177,400</b>	<b>\$2,007,500</b>
Importance Code A	\$2,052,300	\$635,000
Importance Code B	\$902,300	\$574,500
Importance Code C	\$222,800	\$798,000
<b>Total</b>	<b>\$3,177,400</b>	<b>\$2,007,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$160,500		\$124,500	
<b>Total</b>	<b>\$160,500</b>		<b>\$124,500</b>	
Importance Code A	\$46,100		\$64,700	
Importance Code B	\$30,100		\$57,600	
Importance Code C	\$84,300		\$2,200	
<b>Total</b>	<b>\$160,500</b>		<b>\$124,500</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**CITY ISLAND BRIDGE CITY ISLAND ROAD/EASTCHESTER BAY**

**Asset # : 2470**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Steel	50%			LIFE			**	
Steel	50%	4+	\$24,800	LIFE			**	
<i>Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Adjacent To Joints At Both Abutments</i>								
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Adjacent To Joints At Both Abutments</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : These Repairs Are Specific To The Concrete Header</i>								
Mat (scour & erosion)								
Riprap	100%			LIFE			**	
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Masonry	100%	4+	\$40,100	LIFE			**	
<i>Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Both Abutments</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Both Abutments</i>								
<i>Joint Motar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Deteriorated Joint Mortar At Both Abutments</i>								
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Riprap	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Masonry	100%	4+	\$62,500	LIFE			**	
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Both Abutments</i>								
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Both Abutments</i>								
<i>Joint Motar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Both Abutments</i>								
<i>Misaligned/Bulging, Extent : Light, Area Affected : 20%</i>								
<i>Location : Both Abutments</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**CITY ISLAND BRIDGE CITY ISLAND ROAD/EASTCHESTER BAY**

**Asset # : 2470**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed								
Bank Protection								
Riprap	100%			LIFE			**	
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Vegetation</i>								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Pier Protection								
Timber	100%	4+	\$370,500	LIFE			**	
<i>Split/Dry/Cracked, Extent : Light, Area Affected : 50%</i>								
<i>Location : Center Pier</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Center Pier</i>								
<i>Explanation : Timber Fender At Center Pier Only</i>								
Approaches								
Pavement								
Asphalt	75%			2026	\$265,500	4	\$4,400	
Asphalt	25%	4+	\$26,500	2026	\$88,500	4	\$4,400	
<i>Cracks, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Middle Of East Approach</i>								
<i>Explanation : Uneven Surface</i>								
Curbs								
Concrete w/ Steel Face	100%	4+	\$10,100	LIFE			**	
<i>Corrosion, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : At Steel Fencing And Random Locations Throughout</i>								
Embankment								
Earth	100%	4+	\$1,200	LIFE			**	
<i>Erosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Localized</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Processed Stone	100%	4+	\$2,000	LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : East Approach South Face And West Approach North Face; Vegetation Growth Scattered Throughout</i>								
<i>Explanation : Misaligned Stones At East Approach South Face And West Approach North Face; Vegetation Growth Scattered Throughout</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**CITY ISLAND BRIDGE CITY ISLAND ROAD/EASTCHESTER BAY**

**Asset # : 2470**

Bridge Structure		Current 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>Approaches</b>								
Guide Railing Concrete	100%	4+	\$1,700	2034	**	4	\$3,400	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Northeast Side</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Out Of Alignment</i>								
<hr/>								
Mat (scour & erosion) Earth	100%			LIFE	**			
<hr/>								
Railings/Parapets Steel	100%	4+	\$5,000	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Northwest Side</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Chain Link Fence</i>								
Timber	10%	Now	\$6,100	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Southwest</i>								
Timber	90%			LIFE	**			
<hr/>								
Sidewalks Concrete	30%	4+	\$6,800	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	70%			LIFE	**			
<hr/>								
<b>Piers</b>								
Cap Beam Steel	100%			LIFE	**	2-8	\$140,100	
Brngs,Ancr Blts,Pads Steel	100%			LIFE	**	2-8	\$2,700	
<hr/>								
Footings Masonry	15%	4+	\$5,400	2045	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Fourth Footing From The East Abutment</i>								
<i>Explanation : Concrete Spalling</i>								
Masonry	85%			2045	**			

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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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**CITY ISLAND BRIDGE CITY ISLAND ROAD/EASTCHESTER BAY**

**Asset # : 2470**

Bridge Structure		Current 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>Piers</b>								
Piles								
Steel	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Encased Steel Piles</i>								
<b>Deck Elements</b>								
Curbs								
Steel	100%	4+	\$23,200	LIFE	**			
<i>Corrosion, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Gratings								
Grating w/ Concrete	100%			2045	**			
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Center 2 Spans</i>								
<i>Explanation : Bridge Swing Spans Has 20 Drainage Openings 2 1/2 Feet x 1 Feet Each On Sides Of Bridge</i>								
<b>Railings/Parapets</b>								
Steel	100%	0-2	\$283,300	LIFE	**	2-8	\$24,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location :</i>								
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location :</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Sides Of Bridge</i>								
<i>Explanation : Chain Link Fence In Front Of Steel Railing</i>								
<b>Sidewalks</b>								
Concrete	90%			2030	**	5	\$18,200	
Concrete	10%	0-2	\$7,000	2030	**	5	\$9,100	
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Local Area Near Fence</i>								
<i>Explanation : Both Sides Spalled And Cracked</i>								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**CITY ISLAND BRIDGE CITY ISLAND ROAD/EASTCHESTER BAY**

**Asset # : 2470**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Wearing Surface</b>								
Asphalt	100%	4+	\$115,800	2026	\$385,900	5	\$13,400	
<i>Cracks, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Wearing Surface 40 Percent Asphalt</i>								
Concrete	100%	4+	\$44,500	2034	**	5	\$58,100	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Wearing Surface 60 Percent Concrete</i>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	100%			LIFE	**	5	\$22,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Not Accessible From Underside</i>								
Grating w/ Concrete	100%			LIFE	**			
<b>Joints</b>								
Steel	95%			LIFE	**			
Steel	5%	Now	\$31,600	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 100%</i>								
<i>Location : Northwest Side, Split Joint Cover Plate Next To Welding</i>								
<b>Primary Member</b>								
Steel	45%	4+	\$1,769,000	LIFE	**	2-8	\$536,500	
<i>Corrosion, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Sides, Entire Span</i>								
<i>Explanation : Top Of Girder Is Acting As Barrier, Remaining Part Of Girder Is Not Accessible</i>								
Steel	55%			LIFE	**	2-8	\$536,500	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**CITY ISLAND BRIDGE CITY ISLAND ROAD/EASTCHESTER BAY**

**Asset # : 2470**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Secondary Member								
Steel	15%	4+	\$203,500	LIFE	**	2-8	\$449,400	
	<i>Corrosion, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Adjacent To South Sidewalk</i>							
Steel	85%	4+	\$288,300	LIFE	**	2-8	\$449,400	
	<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Random Locations Below Deck</i>							
	<i>Corrosion, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Random Locations Below Deck</i>							
	<i>Loss of Section, Extent : Moderate, Area Affected : 2%</i>							
	<i>Location : Random Locations Below Deck</i>							
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random Locations Below Deck</i>							
	<i>Explanation : Medium To Severe Corrosion On Eyebars And Connections With Broken/ Missing Elements</i>							

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

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : EASTCHESTER BRIDGE BOSTON ROAD/HUTCHINSON RIVER  
**Address** : BOSTON RD X-ING HUTCH RIVER  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0015.090 / 4317 **Yr Built/Renovated** : 1965 /  
**Area Sq Ft** : 95,683 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 08-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2229579

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$2,600,300	\$5,811,000
<b>Total</b>	<b>\$2,600,300</b>	<b>\$5,811,000</b>
Importance Code A	\$1,526,400	\$2,180,900
Importance Code B	\$701,200	\$1,894,100
Importance Code C	\$372,700	\$1,736,100
<b>Total</b>	<b>\$2,600,300</b>	<b>\$5,811,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$232,600	\$23,000	\$400,200	
<b>Total</b>	<b>\$232,600</b>	<b>\$23,000</b>	<b>\$400,200</b>	
Importance Code A	\$60,700		\$193,100	
Importance Code B	\$66,400		\$190,000	
Importance Code C	\$105,500	\$23,000	\$17,100	
<b>Total</b>	<b>\$232,600</b>	<b>\$23,000</b>	<b>\$400,200</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**EASTCHESTER BRIDGE BOSTON ROAD/HUTCHINSON RIVER**

**Asset # : 4317**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Concrete	90%			LIFE			**	
Concrete	10%	4+	\$1,900	LIFE			**	
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
Backwall								
Concrete	80%			LIFE			**	
Concrete	20%	4+	\$10,100	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
Brngs,Ancr Blts,Pads								
Steel	90%			LIFE			**	
Steel	10%	4+	\$13,700	LIFE			**	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
Footings								
Not Accessible	100%							
<hr/>								
Joint with Deck								
Generic	80%			LIFE			**	
Generic	20%	4+	\$8,600	LIFE			**	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Joint Filler Depressed</i>								
<hr/>								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
<hr/>								
Pedestals								
Concrete	100%			LIFE			**	
<i>Rust Stains, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
Stem (breastwall)								
Concrete	80%			LIFE			**	
Concrete	20%	4+	\$28,800	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
Wingwalls								
Footings								
Not Accessible	100%							
<hr/>								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
<hr/>								
Piles								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EASTCHESTER BRIDGE BOSTON ROAD/HUTCHINSON RIVER**

**Asset # : 4317**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Wingwalls								
Walls								
Concrete	85%			LIFE			**	
Concrete	15%	4+	\$69,800	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 1%</i>								
<i>Location : Southeast Wingwall</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Feature Crossed								
Bank Protection								
Sheet Piling	100%			LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Embankments</i>								
<i>Explanation : Timber Rub Rail Is On The Face Of The Sheet Piling</i>								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Approaches								
Pavement								
Asphalt	80%			2028	\$1,388,800	4	\$31,400	
Asphalt	20%	2-4	\$69,400	2028	\$347,200	4	\$20,900	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	85%			2036			**	\$120,200
Concrete	15%	2-4	\$39,000	2036			**	\$80,200
<i>Settlement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Curbs								
Concrete w/ Steel Face	90%			LIFE			**	
Concrete w/ Steel Face	10%	4+	\$3,000	LIFE			**	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Surface</i>								
<i>Rust Stains, Extent : Severe, Area Affected : 75%</i>								
<i>Location : At Surface</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**EASTCHESTER BRIDGE BOSTON ROAD/HUTCHINSON RIVER**

**Asset # : 4317**

Bridge Structure		Current 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>Approaches</b>								
<b>Median</b>								
Concrete	95%			LIFE	**	5	\$5,900	
Concrete	5%	4+	\$3,200	LIFE	**	5	\$5,900	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Surface</i>								
Steel	95%			LIFE	**			
Steel	5%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling And Rust Stains</i>								
<b>Pavement Base</b>								
Not Accessible	100%							
<b>Railings/Parapets</b>								
Steel	90%			LIFE	**			
Steel	10%	4+	\$8,700	LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Surface</i>								
<b>Sidewalks</b>								
Concrete	85%			LIFE	**			
Concrete	15%	4+	\$8,100	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Surface</i>								
<i>Settlement, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Piers</b>								
<b>Cap Beam</b>								
Concrete	85%			LIFE	**			
Concrete	15%	4+	\$526,200	LIFE	**			
<i>Delaminations, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Surface</i>								
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Steel Wire Mesh Placed At Spalls Areas</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**EASTCHESTER BRIDGE BOSTON ROAD/HUTCHINSON RIVER**

**Asset # : 4317**

Bridge Structure		Current 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>Piers</b>								
Pier,Columns								
Concrete	80%			LIFE				**
Concrete	20%	4+	\$448,400	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Surface</i>								
<i>Delaminations, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2047				**
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE				**
Pedestals								
Concrete	95%			LIFE				**
Concrete	5%	4+	\$29,000	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	70%			LIFE				**
Concrete w/ Steel Face	30%	4+	\$22,100	LIFE				**
<i>Misaligned/Bulging, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Rust Stains, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Surface</i>								
<b>Median</b>								
Concrete	95%			LIFE		**	5	\$15,100
Concrete	5%	4+	\$8,100	LIFE		**	5	\$15,100
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Surface</i>								
Steel	95%			LIFE		**	4-8	\$122,600
Steel	5%			LIFE		**	4-8	\$122,600
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling And Rust Stain</i>								
Railings/Parapets								
Steel	100%			LIFE		**	2-8	\$86,700

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EASTCHESTER BRIDGE BOSTON ROAD/HUTCHINSON RIVER**

**Asset # : 4317**

Bridge Structure		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Deck Elements									
Sidewalks									
Concrete	70%			2032	**	5	\$34,300		
Concrete	30%	4+	\$79,600	2032	**	5	\$17,100		
<i>Cracks, Extent : Light, Area Affected : 10%</i> <i>Location : Random Locations Throughout</i> <i>Spalling, Extent : Light, Area Affected : 5%</i> <i>Location : At Surface</i>									
Wearing Surface									
Concrete	90%			2036	**	5	\$46,000		
<i>Recent Repair Evident, Extent : Light, Area Affected : 2%</i> <i>Location : Northbound Lane</i>									
Concrete	10%	4+	\$8,800	2036	**	5	\$23,000		
<i>Cracks, Extent : Moderate, Area Affected : 20%</i> <i>Location : Random Locations Throughout</i> <i>Spalling, Extent : Light, Area Affected : 2%</i> <i>Location : Random Locations Throughout</i>									
Scupper									
Cast Iron	100%	4+	\$114,800	LIFE	**				
<i>Drains Clogged, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations Throughout</i> <i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Throughout</i> <i>Explanation : 18 Scuppers</i>									
Superstructure									
Deck, Structural									
Concrete	85%			LIFE	**	5	\$105,300		
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Underside Of Deck</i> <i>Explanation : Stay In Place Forms Throughout The Underside Of The Deck</i>									
Concrete	15%	4+	\$142,700	LIFE	**	5	\$105,300		
<i>Cracks, Extent : Light, Area Affected : 10%</i> <i>Location : Random Locations Throughout</i> <i>Spalling, Extent : Light, Area Affected : 10%</i> <i>Location : Random Locations Throughout</i> <i>Other Observation, Extent : Light, Area Affected : 10%</i> <i>Location : Stay In Place Form Under Deck</i> <i>Explanation : Corrosion And Deformation</i>									
Joints									
Generic	75%			LIFE	**				
Generic	25%	4+	\$28,000	LIFE	**				
<i>Loose Elements, Extent : Moderate, Area Affected : 25%</i> <i>Location : Random Locations Throughout</i> <i>Other Observation, Extent : Light, Area Affected : 10%</i> <i>Location : Random Locations Throughout</i> <i>Explanation : Joint Filler Depressed And Filled With Debris</i>									

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**EASTCHESTER BRIDGE BOSTON ROAD/HUTCHINSON RIVER**

**Asset # : 4317**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Primary Member								
Steel	93%			LIFE	**	2-8	\$1,768,900	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Bottom Flange</i>								
<i>Explanation : Fatigue Prone Detail, Partial Cover Plate</i>								
Steel	7%	4+	\$857,500	LIFE	**	2-8	\$1,768,900	
<i>Corrosion, Extent : Light, Area Affected : 15%</i>								
<i>Location : At Surface</i>								
Secondary Member								
Steel	95%			LIFE	**	2-8	\$1,481,800	
Steel	5%	4+	\$252,800	LIFE	**	2-8	\$1,481,800	
<i>Corrosion, Extent : Light, Area Affected : 15%</i>								
<i>Location : At Surface</i>								

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : EASTERN BLVD. BRUCKNER EXPWY NORTH BOUND OVER BRONX RIVER  
 Address : BRUCKNER EXPWY N.B. BRONX RIVER  
 Borough : BRONX Agency's Number : N/A  
 Program / Asset # : DOT0004.020 / 2916 Yr Built/Renovated : 1952 /  
 Area Sq Ft : 22,300 Project Type : WATERWAY BRIDGES  
 Date of Survey : 19-Aug-2015 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2066672

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure		\$315,200
<b>Total</b>		<b>\$315,200</b>
Importance Code A		\$94,500
Importance Code B		\$220,700
<b>Total</b>		<b>\$315,200</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$18,100	\$24,100	\$33,900	
<b>Total</b>	<b>\$18,100</b>	<b>\$24,100</b>	<b>\$33,900</b>	
Importance Code A	\$1,200		\$9,800	
Importance Code B			\$22,100	
Importance Code C	\$16,900	\$24,100	\$1,900	
<b>Total</b>	<b>\$18,100</b>	<b>\$24,100</b>	<b>\$33,900</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EASTERN BLVD. BRUCKNER EXPWY NORTH BOUND OVER BRONX RIVER**  
**Asset # : 2916**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE			**	
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE			**	
Feature Crossed								
Bank Protection								
Riprap	100%			LIFE			**	
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	100%			LIFE			**	
Approaches								
Pavement								
Concrete	100%			2036		**	4	\$43,700
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Northbound Side</i>								
<i>Explanation : Patching</i>								
Curbs								
Concrete	100%			LIFE			**	
Concrete w/ Steel Face	100%			LIFE			**	
Embankment								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EASTERN BLVD. BRUCKNER EXPWY NORTH BOUND OVER BRONX RIVER**  
**Asset # : 2916**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Mat (scour & erosion)								
Not Accessible	100%							
Median								
Concrete	100%			LIFE	**	5		
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2036	**	4		
Steel	100%			LIFE	**			
Sidewalks								
Concrete	100%	4+	\$1,200	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Piers								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Not Accessible	100%							
Stem,Solid Pier								
Brick Veneer	100%			LIFE	**			
Masonry	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**	5	\$2,000	
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Concrete	100%			2036	**	4	\$3,600	
Masonry	100%			2036	**	5		
Steel	100%			LIFE	**	2-8	\$9,900	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EASTERN BLVD. BRUCKNER EXPWY NORTH BOUND OVER BRONX RIVER**  
**Asset # : 2916**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Sidewalks								
Asphalt	100%			2025		4		
Concrete	90%			2032	**	5	\$3,900	
Concrete	10%	4+	\$1,200	2032	**	5	\$1,900	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Wearing Surface								
Concrete	100%			2036	**	5	\$48,200	
Scupper								
Cast Iron	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Deck</i>								
<i>Explanation : 3 Scuppers</i>								
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$4,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : On Spans 1, 2 And 4 - 8</i>								
<i>Explanation : Not Accessible</i>								
Grating w/ Concrete	100%			LIFE	**			
Joints								
Steel	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8	\$176,600	
Not Accessible	100%							
Secondary Member								
Steel	100%			LIFE	**	2-8	\$345,300	

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : EASTERN BLVD. BRUCKNER EXPWY SOUTH BOUND OVER BRONX RIVER  
 Address : BRUCKNER EXPWY S.B. BRONX RIVER  
 Borough : BRONX Agency's Number : N/A  
 Program / Asset # : DOT0004.010 / 2915 Yr Built/Renovated : 1952 /  
 Area Sq Ft : 12,400 Project Type : WATERWAY BRIDGES  
 Date of Survey : 19-Aug-2015 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2066671

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure		\$217,700
<b>Total</b>		<b>\$217,700</b>
Importance Code A		\$95,000
Importance Code B		\$122,700
<b>Total</b>		<b>\$217,700</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$16,300	\$12,100	\$22,600	
<b>Total</b>	<b>\$16,300</b>	<b>\$12,100</b>	<b>\$22,600</b>	
Importance Code A	\$500	\$900	\$9,700	
Importance Code B			\$12,300	
Importance Code C	\$15,800	\$11,200	\$700	
<b>Total</b>	<b>\$16,300</b>	<b>\$12,100</b>	<b>\$22,600</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EASTERN BLVD. BRUCKNER EXPWY SOUTH BOUND OVER BRONX RIVER**  
**Asset # : 2915**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE			**	
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE			**	
Feature Crossed								
Bank Protection								
Riprap	100%			LIFE			**	
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	100%			LIFE			**	
Approaches								
Pavement								
Concrete	100%			2036		**	4	\$43,700
Curbs								
Concrete	100%			LIFE		**		
Concrete w/ Steel Face	100%			LIFE		**		
Embankment								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Median								
Concrete	100%			LIFE		**	5	

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**EASTERN BLVD. BRUCKNER EXPWY SOUTH BOUND OVER BRONX RIVER**

**Asset # : 2915**

Bridge Structure		Current 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>Approaches</b>								
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2036	**	4		
Steel	100%			LIFE	**			
Sidewalks								
Concrete	100%			LIFE	**			
<b>Piers</b>								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Not Accessible	100%							
Stem,Solid Pier								
Brick Veneer	100%			LIFE	**			
Masonry	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Piles								
Not Accessible	100%							
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**	5	\$900	
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Explanation : With Steel Facing</i>								
Railings/Parapets								
Concrete	100%			2036	**	4	\$1,600	
Masonry	100%			2036	**	5	\$1,700	
Steel	100%			LIFE	**	2-8	\$3,700	
Sidewalks								
Asphalt	100%			2025		4		
Concrete	90%			2032	**	5	\$1,300	
Concrete	10%	4+	\$1,200	2032	**	5	\$700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Wearing Surface								
Concrete	100%			2036	**	5	\$22,500	
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**EASTERN BLVD. BRUCKNER EXPWY SOUTH BOUND OVER BRONX RIVER**  
**Asset # : 2915**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Deck, Structural Concrete	100%			LIFE	**	5	\$4,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Spans 1 And 3</i>						
		<i>Explanation : Not Accessible On Spans 1 And 3</i>						
Grating w/ Concrete	100%			LIFE	**			
Joints								
Steel	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8	\$177,500	
		<i>Other Observation, Extent : Light, Area Affected : 30%</i>						
		<i>Location : At Spans 1 And 3</i>						
		<i>Explanation : Not Accessible</i>						
Secondary Member								
Steel	100%			LIFE	**	2-8	\$192,000	

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FLUSHING BRIDGE EAST BOUND NORTHERN BLVD/FLUSHING RIVER  
**Address** : NORTHERN BLVD. X-ING FLUSH. RIV.  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0001.020 / 2560 **Yr Built/Renovated** :  
**Area Sq Ft** : 78,894 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 18-Oct-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2055802

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$920,400	\$2,939,300
<b>Total</b>	<b>\$920,400</b>	<b>\$2,939,300</b>
Importance Code A	\$221,900	\$1,017,600
Importance Code B	\$381,800	\$1,176,800
Importance Code C	\$316,700	\$744,900
<b>Total</b>	<b>\$920,400</b>	<b>\$2,939,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$60,800	\$26,500	\$203,000	
<b>Total</b>	<b>\$60,800</b>	<b>\$26,500</b>	<b>\$203,000</b>	
Importance Code A	\$14,100	\$13,500	\$85,000	
Importance Code B	\$22,200		\$118,000	
Importance Code C	\$24,500	\$13,000		
<b>Total</b>	<b>\$60,800</b>	<b>\$26,500</b>	<b>\$203,000</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLUSHING BRIDGE EAST BOUND NORTHERN BLVD/FLUSHING RIVER**  
**Asset # : 2560**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Concrete	100%			LIFE		**		
Backwall								
Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE		**		
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE		**		
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE		**		
Stem (breastwall)								
Concrete	95%			LIFE		**		
Concrete	5%	4+	\$13,800	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Both Abutments</i>								
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	90%			LIFE		**		
Concrete	10%	4+	\$5,900	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Feature Crossed</b>								
Bank Protection								
Concrete	100%			LIFE		**		
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	78%	Now	\$250,500	LIFE		**		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : East And West Sides</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : East And West Sides</i>								
<i>Explanation : Worn</i>								
Timber	22%			LIFE		**		
<b>Approaches</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLUSHING BRIDGE EAST BOUND NORTHERN BLVD/FLUSHING RIVER**  
**Asset # : 2560**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Pavement								
Asphalt	95%			2029	\$406,800	4	\$8,100	
Asphalt	5%	4+	\$4,300	2029	\$21,400	4	\$5,400	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Approaches</i>								
<i>Explanation : Pavement Consists Of 40 Percent Concrete And 60 Percent Asphalt</i>								
Concrete	100%			2037	**	4	\$30,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Approaches</i>								
<i>Explanation : Pavement Consists Of 40 Percent Concrete And 60 Percent Asphalt</i>								
Embankment								
Generic	100%			LIFE	**			
Guide Railing								
Concrete	100%			2037	**	4	\$17,200	
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2037	**	4		
Piers								
Cap Beam								
Concrete	90%			LIFE	**			
Concrete	10%	4+	\$131,400	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Scattered Throughout</i>								
<i>Delaminations, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Scattered Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Steel	90%			LIFE	**	2-8	\$520,900	
Steel	10%	4+	\$90,500	LIFE	**	2-8	\$520,900	
<i>Rust Stains, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Scattered 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLUSHING BRIDGE EAST BOUND NORTHERN BLVD/FLUSHING RIVER**  
**Asset # : 2560**

Bridge Structure		Current 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>Piers</b>								
Pier,Columns								
Concrete	90%			LIFE	**			
Concrete	10%	4+	\$78,000	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Scattered Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Scattered Throughout</i>								
Steel	90%			LIFE	**	2-8	\$569,900	
Steel	10%	4+	\$53,300	LIFE	**	2-8	\$569,900	
<i>Rust Stains, Extent : Light, Area Affected : 15%</i>								
<i>Location :</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Exfoliation Of Weathering Steel</i>								
<b>Stem,Solid Pier</b>								
Concrete	97%			LIFE	**			
Concrete	3%	4+	\$8,500	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : East And West Ends</i>								
<b>Brngs,Ancr Blts,Pads</b>								
Elastomeric	100%			2048	**			
Steel	100%			LIFE	**	2-8	\$60,900	
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Not Accessible	100%							
<b>Pedestals</b>								
Concrete	100%			LIFE	**			
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Guide Railing</b>								
Concrete	100%			2041	**			
<b>Mono Deck Surface</b>								
Concrete	95%			2048	**	5	\$316,700	
Concrete	5%			2048	**	5	\$316,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Both Ends</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Both Ends</i>								
<b>Railings/Parapets</b>								
Concrete	100%			2037	**	4	\$23,400	
Steel	100%			LIFE	**	2-8	\$9,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Median</i>								
<i>Explanation : Steel Fence</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLUSHING BRIDGE EAST BOUND NORTHERN BLVD/FLUSHING RIVER**  
**Asset # : 2560**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Scupper								
Ductile Iron	100%			LIFE	**			
Superstructure								
Deck, Structural								
Concrete	95%			LIFE	**	5	\$86,800	
Concrete	5%	4+	\$14,100	LIFE	**	5	\$86,800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 4%</i>								
<i>Location : Throughout Structure</i>								
Joints								
Generic								
	100%	4+	\$14,400	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Primary Member								
Steel	100%			LIFE	**	2-8	\$685,500	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$1,221,800	

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : **FLUSHING BRIDGE WEST BOUND NORTHERN BLVD/FLUSHING RIVER**  
 Address : **NORTHERN BLVD. X-ING FLUSH. RIV.**  
 Borough : **QUEENS** Agency's Number : **N/A**  
 Program / Asset # : **DOT0001.010 / 2665** Yr Built/Renovated :  
 Area Sq Ft : **71,900** Project Type : **WATERWAY BRIDGES**  
 Date of Survey : **18-Oct-2016** Landmark Status : **NONE**  
 Areas Surveyed :  
 Block : Lot : BIN : **2055801**

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$869,600	\$3,512,400
<b>Total</b>	<b>\$869,600</b>	<b>\$3,512,400</b>
Importance Code A	\$115,400	\$1,210,900
Importance Code B	\$427,300	\$1,740,000
Importance Code C	\$326,900	\$561,600
<b>Total</b>	<b>\$869,600</b>	<b>\$3,512,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$83,300	\$2,800	\$281,200	\$7,400
<b>Total</b>	<b>\$83,300</b>	<b>\$2,800</b>	<b>\$281,200</b>	<b>\$7,400</b>
Importance Code A	\$17,200	\$1,400	\$106,700	
Importance Code B	\$44,900		\$174,500	
Importance Code C	\$21,200	\$1,300		\$7,400
<b>Total</b>	<b>\$83,300</b>	<b>\$2,800</b>	<b>\$281,200</b>	<b>\$7,400</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLUSHING BRIDGE WEST BOUND NORTHERN BLVD/FLUSHING RIVER**  
**Asset # : 2665**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE		**		
Backwall								
Concrete	98%			LIFE		**		
Concrete	2%	4+	\$3,400	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE		**		
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	95%			LIFE		**		
Generic	5%	4+	\$20,600	LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Begin Approach</i>								
<i>Explanation : Missing Cover Plate</i>								
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE		**		
Stem (breastwall)								
Concrete	95%			LIFE		**		
Concrete	5%	4+	\$7,400	LIFE		**		
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
Wingwalls								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	2%	4+	\$9,200	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Northwest Face At Begin Abutment</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : Northwest Face At End Abutment</i>								
Concrete	98%			LIFE		**		
Feature Crossed								
Bank Protection								
Concrete	100%			LIFE		**		
Mat (scour & erosion)								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLUSHING BRIDGE WEST BOUND NORTHERN BLVD/FLUSHING RIVER**  
**Asset # : 2665**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed								
Pier Protection								
Timber	85%	Now	\$251,900	LIFE		**		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Both Fender System</i>								
<i>Rotted, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Both Fender System</i>								
Timber	15%			LIFE		**		
Approaches								
Pavement								
Asphalt	95%			2029	\$203,400	4	\$4,000	
Asphalt	5%	4+	\$6,400	2029	\$10,700	4	\$2,700	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Concrete	100%			2037		**	4	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Approaches</i>								
<i>Explanation : Approaches: 20 Percent Concrete; 80 Percent Asphalt</i>								
Embankment								
Generic	100%			LIFE		**		
Guide Railing								
Concrete	100%			2037		**	4	\$4,300
Steel	100%			LIFE		**	2-8	
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2037		**	4	
Sidewalks								
Concrete	95%			LIFE		**		
Concrete	5%	4+	\$2,200	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Scattered Throughout</i>								

Piers

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLUSHING BRIDGE WEST BOUND NORTHERN BLVD/FLUSHING RIVER**  
**Asset # : 2665**

Bridge Structure		Current 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>Piers</b>								
<b>Cap Beam</b>								
Concrete	90%			LIFE		**		
Concrete	10%	2-4	\$41,100	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Abutment</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : East Abutment</i>								
Steel	90%			LIFE		**	2-8	\$427,900
Steel	10%	4+	\$74,400	LIFE		**	2-8	\$427,900
<i>Corrosion, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Exfoliating Weathering Steel</i>								
<b>Pier,Columns</b>								
Concrete	10%	4+	\$81,400	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Scattered Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Scattered Throughout</i>								
Concrete	90%			LIFE		**		
Steel	90%			LIFE		**	2-8	\$455,900
Steel	10%	4+	\$42,600	LIFE		**	2-8	\$455,900
<i>Corrosion, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Weathering</i>								
<b>Stem,Solid Pier</b>								
Concrete	90%			LIFE		**		
Concrete	10%	4+	\$51,400	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<b>Brngs,Ancr Blts,Pads</b>								
Elastomeric	100%			2048		**		
Steel	100%			LIFE		**	2-8	\$64,100
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Not Accessible	100%							
<b>Pedestals</b>								
Concrete	100%			LIFE		**		
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Guide Railing</b>								
Concrete	100%			2041		**		

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**FLUSHING BRIDGE WEST BOUND NORTHERN BLVD/FLUSHING RIVER**  
**Asset # : 2665**

Bridge Structure		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>Deck Elements</b>								
<b>Median</b>								
Concrete	100%			LIFE	**	5	\$11,300	
<b>Mono Deck Surface</b>								
Concrete	90%			2048	**	5	\$347,500	
Concrete	10%	4+	\$48,600	2048	**	5	\$173,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Scattered Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Both Ends</i>								
<b>Railings/Parapets</b>								
Steel	100%			LIFE	**	2-8	\$31,000	
<b>Sidewalks</b>								
Concrete	100%			2033	**	5	\$14,900	
<b>Scupper</b>								
Ductile Iron	100%			LIFE	**			
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Concrete	5%	4+	\$17,200	LIFE	**	5	\$79,100	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Exposed Steel Reinforcement</i>								
Concrete	95%			LIFE	**	5	\$79,100	
<b>Joints</b>								
Generic	60%			LIFE	**			
Generic	40%	2-4	\$104,500	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : End Abutment And Throughout Structure</i>								
<i>Misaligned/Bulging, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Primary Member</b>								
Steel	99%			LIFE	**	2-8	\$611,400	
Steel	1%			LIFE	**	2-8	\$611,400	
<i>Rust Stains, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Secondary Member</b>								
Steel	95%			LIFE	**	2-8	\$1,113,500	
Steel	5%	4+	\$16,800	LIFE	**	2-8	\$1,113,500	
<i>Rust Stains, Extent : Light, Area Affected : 15%</i>								
<i>Location : Scattered 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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : GERRITSEN INLET BRIDGE BELT SHORE PKWY/GERRITSEN INLET  
**Address** : BELT SHORE PKWAY(BSP)  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0021.000 / 2452 **Yr Built/Renovated** : 1939 /  
**Area Sq Ft** : 46,446 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 31-Oct-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231450

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$206,000	\$1,721,300
<b>Total</b>	<b>\$206,000</b>	<b>\$1,721,300</b>
Importance Code A		\$63,400
Importance Code B	\$206,000	
Importance Code C		\$1,658,000
<b>Total</b>	<b>\$206,000</b>	<b>\$1,721,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$174,900	\$7,700	\$200	\$12,700
<b>Total</b>	<b>\$174,900</b>	<b>\$7,700</b>	<b>\$200</b>	<b>\$12,700</b>
Importance Code A	\$62,200	\$2,400	\$200	
Importance Code B	\$30,600			
Importance Code C	\$82,100	\$5,400		\$12,700
<b>Total</b>	<b>\$174,900</b>	<b>\$7,700</b>	<b>\$200</b>	<b>\$12,700</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**GERRITSEN INLET BRIDGE BELT SHORE PKWY/GERRITSEN INLET**  
**Asset # : 2452**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Replacement Bridge Under Construction</i>						
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	74%	2-4	\$30,600	LIFE		**		
		<i>Other Observation, Extent : Severe, Area Affected : 50%</i>						
		<i>Location : Original Eastbound Structure. Structure Will Be Replaced Soon.</i>						
		<i>Explanation : Joint Is Paved Over</i>						
Generic	26%			LIFE		**		
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Feature Crossed								
Bank Protection								
Not Accessible	100%							
Mat (scour & erosion)								
Stream Bed	100%			LIFE		**		
Pier Protection								
Not Accessible	100%							
Approaches								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**GERRITSEN INLET BRIDGE BELT SHORE PKWY/GERRITSEN INLET**  
**Asset # : 2452**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Pavement								
Asphalt	60%	2-4	\$10,300	2029	\$514,500	4	\$10,700	
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Eastbound Bridge</i>								
<i>Settlement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Eastbound Bridge</i>								
<i>Spalling, Extent : Light, Area Affected : 3%</i>								
<i>Location : Eastbound Bridge</i>								
<i>Other Observation, Extent : Light, Area Affected : 8%</i>								
<i>Location : Eastbound Bridge</i>								
<i>Explanation : Raveling Pavement</i>								
Asphalt	40%			2029	\$343,000	4	\$16,100	
Concrete	100%			2041	**	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Westbound Bridge Is New</i>								
<i>Explanation : New Bridge</i>								
Curbs								
Concrete	100%	2-4	\$15,600	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Eastbound Bridge</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Eastbound Bridge</i>								
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Concrete	100%	4+	\$6,300	2031	**	4	\$5,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Westbound</i>								
<i>Explanation : Westbound Bridge</i>								
Steel	100%	2-4	\$3,900	LIFE	**	2-8	\$5,800	
<i>Damaged Railing, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Eastbound</i>								
<i>Explanation : Eastbound Bridge</i>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Railings/Parapets								
Concrete	100%			2037	**	4		

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**GERRITSEN INLET BRIDGE BELT SHORE PKWY/GERRITSEN INLET**  
**Asset # : 2452**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Sidewalks								
Asphalt	100%	4+	\$2,900	2029	\$58,000	4	\$1,500	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations - Eastbound</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations - Eastbound</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Eastbound</i>								
<i>Explanation : Eastbound Bridge</i>								
Piers								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Not Accessible	100%							
Stem,Solid Pier								
Concrete	26%	4+	\$206,000	LIFE			**	
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random - Eastbound</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Various Locations</i>								
<i>Explanation : Spalling With Exposed Reinforcement</i>								
Concrete	74%			LIFE			**	
Not Accessible	100%							
Footings								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete	98%			2048			**	
Concrete	2%	Now	\$15,000	2048			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Eastbound Bridge</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Eastbound Bridge</i>								
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Eastbound Bridge</i>								
Guide Railing								
Steel	90%			LIFE			**	
Steel	10%	4+	\$4,800	LIFE			**	
<i>Rust Stains, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**GERRITSEN INLET BRIDGE BELT SHORE PKWY/GERRITSEN INLET**  
**Asset # : 2452**

Bridge Structure		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>Deck Elements</b>								
<b>Median</b>								
Steel	90%			LIFE	**	4-8	\$31,500	
Steel	10%	4+	\$4,700	LIFE	**	4-8	\$31,500	
<i>Rust Stains, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : The Condition Of The Center Through Is Recorded In Superstructure Under Primary Member</i>								
<hr/>								
<b>Railings/Parapets</b>								
Concrete	90%			2037	**	4	\$7,100	
Concrete	10%	4+	\$12,000	2037	**	4	\$4,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Eastbound Bridge</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Eastbound Bridge</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Eastbound Bridge</i>								
<hr/>								
<b>Sidewalks</b>								
Concrete	75%			2033	**	5	\$25,300	
Concrete	25%	Now	\$9,800	2033	**	5	\$12,700	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Eastbound Bridge</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Eastbound Bridge</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 15%</i>								
<i>Location : Eastbound Bridge</i>								
<hr/>								
<b>Wearing Surface</b>								
Asphalt	80%			2029	\$594,000	5	\$51,500	
Asphalt	20%	2-4	\$29,700	2029	\$148,500	5	\$25,700	
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Eastbound</i>								
<i>Settlement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Eastbound</i>								
Concrete	100%			2041	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Eastbound</i>								
<i>Explanation : Eastbound Bridge</i>								

**Superstructure**

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**DEPARTMENT OF TRANSPORTATION - 841**  
**GERRITSEN INLET BRIDGE BELT SHORE PKWY/GERRITSEN INLET**  
**Asset # : 2452**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Superstructure								
Deck, Structural Concrete	100%			LIFE	**	5	\$51,100	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Westbound</i>							
	<i>Explanation : Westbound Bridge</i>							
Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location : Eastbound Bridge</i>							
	<i>Explanation : Eastbound Bridge</i>							
Joints								
Generic	75%	0-2	\$29,400	LIFE	**			
	<i>Loose Joint Plates, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Eastbound Bridge</i>							
Generic	25%			LIFE	**			
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : GRAND STREET BRIDGE GRAND ST BRIDGE/NEWTOWN CREEK  
**Address** : GARDNER AVENUE BROOKLYN 47TH STREET QUEENS  
**Borough** : BROOKLYN:QNS. Agency's Number : N/A  
**Program / Asset #** : DOT0150.000 / 13513 Yr Built/Renovated : 1903 /  
**Area Sq Ft** : 5,100 Project Type : WATERWAY BRIDGES  
**Date of Survey** : 26-Apr-2013 Landmark Status : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2240390

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$1,344,600	\$320,900
Bridge Electrical	\$1,300,000	\$16,900
Bridge Mechanical	\$352,100	\$2,031,700
<b>Total</b>	<b>\$2,996,600</b>	<b>\$2,369,500</b>
Importance Code A	\$1,049,400	
Importance Code B	\$1,947,200	\$2,048,600
Importance Code C		\$320,900
<b>Total</b>	<b>\$2,996,600</b>	<b>\$2,369,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$42,200		\$200	
Bridge Electrical	\$39,200		\$11,100	
Bridge Mechanical	\$53,000			
<b>Total</b>	<b>\$134,400</b>		<b>\$11,300</b>	
Importance Code A			\$200	
Importance Code B	\$92,200		\$11,100	
Importance Code C	\$42,200			
<b>Total</b>	<b>\$134,400</b>		<b>\$11,300</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**GRAND STREET BRIDGE GRAND ST BRIDGE/NEWTOWN CREEK**  
**Asset # : 13513**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Granite	100%			LIFE		**		
Backwall								
Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads								
Steel	100%	Now	\$65,800	LIFE		**		
		<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>						
		<i>Location : Beginning And End Abutments, North Side Bearings Missing 1 To 2 Anchor Bolts.</i>						
		<i>Loose Fastenings, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : All 4 Bearings Have Loose Anchor Bolt Nuts.</i>						
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE		**		
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : End Abutment South Side</i>						
		<i>Explanation : Bridge Side Raised 1.5 Inches Higher Than The South Sidewalk</i>						
Mat (scour & erosion)								
Not Accessible	100%							
Stem (breastwall)								
Masonry: Granite	10%	4+	\$131,500	LIFE		**		
		<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>						
		<i>Location : Beginning And End Abutments</i>						
		<i>Explanation : Masonry Pointing Needed</i>						
Masonry: Granite	90%			LIFE		**		
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Granite	100%			LIFE		**		
		<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Beginning And End Abutments</i>						
		<i>Explanation : Masonry Pointing Needed</i>						
Feature Crossed								
Bank Protection								
Concrete	100%			LIFE		**		
Riprap	100%	4+	\$25,500	LIFE		**		
		<i>Erosion, Extent : Moderate, Area Affected : 15%</i>						
		<i>Location : Begin North Side</i>						
Timber	100%			2024				
Mat (scour & erosion)								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**GRAND STREET BRIDGE GRAND ST BRIDGE/NEWTOWN CREEK**  
**Asset # : 13513**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed								
Pier Protection								
Timber	80%			LIFE	**			
Timber	20%	Now	\$163,700	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Swing Span Pivot Pier</i>								
<i>Split/Dry/Cracked, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Swing Span Pivot Pier</i>								
Approaches								
Pavement								
Asphalt	100%			2028	\$320,900	4	\$15,700	
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Granite	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**	2-8	\$7,500	
Sidewalks								
Concrete	80%			LIFE	**			
Concrete	20%	4+	\$11,500	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Begin North And South Sidewalks</i>								
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Begin North Sidewalk</i>								
Movable Bridges								
Swing Span Truss								
Steel	10%	4+	\$245,900	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Swing Spans 1 And 2</i>								
<i>Explanation : Structural Steel Exhibits Section Loss And Corrosion In Localized Areas.</i>								
Steel	20%	0-2	\$737,600	LIFE	**			
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Swing Spans 1 And 2</i>								
<i>Explanation : Section Loss And Corrosion On Primary And Secondary Members. Sidewalks Severely Deteriorated.</i>								
Steel	70%			LIFE	**			
Swing Span Pivot Pier								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Swing Span Pivot Pier</i>								
<i>Explanation : Masonry Pointing Needed</i>								

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Communications								
Generic	100%			2020	\$12,000			

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**GRAND STREET BRIDGE GRAND ST BRIDGE/NEWTOWN CREEK**  
**Asset # : 13513**

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Control System Electrical</b>								
Control Console								
Stainless Steel	100%			LIFE		**		
Disconnect Switch								
Generic	100%			2022	\$11,100			
Limit Switch								
Rotary	100%			2020				
Generic	100%	2-4	\$20,400	2044		**		
<i>Other Observation, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Brake Limit Switches</i>								
<i>Explanation : Brake Limit Switch Covers Corroded And Leaving Interior Components Exposed</i>								
<b>Electrical Power</b>								
Dist Equip & Motor Controll								
Generic	100%			2022	\$197,900			
<b>Raceway</b>								
Submarine Control Cables								
Generic	100%			2020	\$329,800			
Wiring								
Generic	100%			2020	\$521,300			
<b>Traffic System Electrical</b>								
Traffic Signal								
Generic	100%	Now	\$42,400	2020	\$141,200			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Approach, North Stoplight Missing</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Flashers Mounted On Structure</i>								
<i>Explanation : Gongs Inoperative On Vehicular Gates</i>								
<b>Lighting</b>								
Lighting Devices								
Generic	80%	Now	\$6,700	2020	\$67,400			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roadway Lighting</i>								
<i>Explanation : One Fixture Inoperative</i>								
Generic	20%			2029	\$16,900			

<b>Bridge Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Swing</b>								
Center Latch								
Generic	100%	Now	\$11,200	2027	\$111,900			
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Center Latch</i>								
<i>Explanation : Components Are Corroded And Need Manual Assistance For Operation.</i>								
Center Pivot								
Generic	100%			2027	\$1,135,500			

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**GRAND STREET BRIDGE GRAND ST BRIDGE/NEWTOWN CREEK**  
**Asset # : 13513**

Bridge Mechanical		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>Swing</b>								
<b>End Lift</b>								
Generic	100%	Now	\$73,600	2027	\$245,200			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : End Lifts</i>								
<i>Explanation : Roller Assemblies And Cranks Are In Differing Positions. Brakes Require Repair.</i>								
<b>Houses</b>								
<b>Access Ways</b>								
	100%	Now	\$29,900	2039		**		
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Center Pivot Pier And End Lift Accessways</i>								
<i>Explanation : Some Center Pivot Deck Boards Need To Be Repaired. Grating At End Lifts Is Severely Corroded.</i>								
<b>Control House</b>								
	100%	Now	\$81,700	2064		**		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Control And Bridge House</i>								
<i>Explanation : The Bridge House Is At The End Of Its Useful Life. The Bridge House And Control House Require Repairs.</i>								
<b>Main Drive System</b>								
<b>Generic</b>								
	100%	Now	\$45,300	2027	\$452,900			
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Operating Machinery</i>								
<i>Explanation : Some Oil Leakage. Brakes Are Not Functioning, Repairs Needed.</i>								
<b>Rack</b>								
Generic	100%			LIFE		**		
<b>Structural Bearings</b>								
<b>Generic</b>								
	100%	Now	\$5,400	2020	\$108,400			
<i>Other Observation, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Raceways, Roller Nest And Bases</i>								
<i>Explanation : Components Are Nearing The End Of Their Useful Life. Some Broken Anchor Bolts.</i>								
<b>Traffic Devices</b>								
<b>Barrier Gate</b>								
	100%	Now	\$6,400	2033		**		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : Gates Do Not Lock In Roadway In Closed Position. Some Missing Hardware.</i>								
<b>Warning Gate</b>								
	100%	Now	\$43,100	2027	\$86,200			
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Warning Gates</i>								
<i>Explanation : Some Missing Gate Arms. Gates Are Nearing The End Of Their Useful Life.</i>								

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

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

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

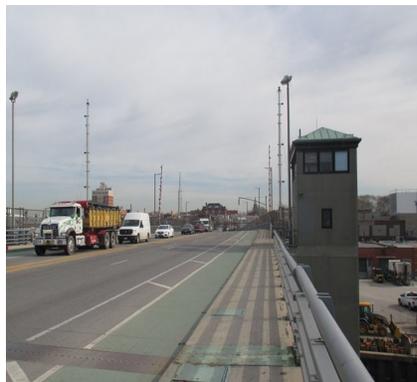
Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : GREENPOINT AVE. BRIDGE GREENPOINT AVE/NEWTOWN CREEK  
**Address** : NEW TOWN CREEK, LIRR  
**Borough** : BROOKLYN:QNS. **Agency's Number** : N/A  
**Program / Asset #** : DOT0047.000 / 2500 **Yr Built/Renovated** : 1927 /  
**Area Sq Ft** : 76,106 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 06-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240370

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$1,863,300	\$2,062,800
Bridge Electrical	\$85,700	
Bridge Mechanical	\$3,013,200	
<b>Total</b>	<b>\$4,962,200</b>	<b>\$2,062,800</b>
Importance Code A	\$904,800	\$904,800
Importance Code B	\$4,057,400	\$819,500
Importance Code C		\$338,400
<b>Total</b>	<b>\$4,962,200</b>	<b>\$2,062,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$480,100		\$170,000	
Bridge Electrical	\$36,900	\$6,600	\$10,000	\$10,000
Bridge Mechanical	\$84,100	\$18,000	\$53,900	\$18,000
<b>Total</b>	<b>\$601,200</b>	<b>\$24,600</b>	<b>\$233,900</b>	<b>\$28,000</b>
Importance Code A	\$291,000		\$84,300	
Importance Code B	\$288,100	\$24,600	\$146,100	\$28,000
Importance Code C	\$22,100		\$3,600	
<b>Total</b>	<b>\$601,200</b>	<b>\$24,600</b>	<b>\$233,900</b>	<b>\$28,000</b>



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**DEPARTMENT OF TRANSPORTATION - 841**  
**GREENPOINT AVE. BRIDGE GREENPOINT AVE/NEWTOWN CREEK**  
**Asset # : 2500**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE		**		
Backwall								
Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE		**		
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	50%	4+	\$11,900	LIFE		**		
			<i>Leakage, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Beginning Abutment</i>					
Generic	50%	Now	\$5,900	LIFE		**		
			<i>Joints Missing, Extent : Severe, Area Affected : 5%</i>					
			<i>Location : End Abutment</i>					
			<i>Leakage, Extent : Severe, Area Affected : 5%</i>					
			<i>Location : End Abutment</i>					
Pedestals								
Concrete	100%			LIFE		**		
Stem (breastwall)								
Concrete	100%			LIFE		**		
Wingwalls								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE		**		
Feature Crossed								
Bank Protection								
Sheet Piling	100%			LIFE		**		
			<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>					
			<i>Location : Approximately 40 Feet To The North Side Of The Bridge</i>					
			<i>Explanation : Steel Bulkhead Damaged For 25 Feet.</i>					
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	100%			LIFE		**		
			<i>Rotted, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Starting On The Tops Of Dolphin Piles At Bascule Piers 5 And 6</i>					
			<i>Split/Dry/Cracked, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Random Locations On Bascule Piers 5 And 6</i>					
Approaches								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**DEPARTMENT OF TRANSPORTATION - 841**  
**GREENPOINT AVE. BRIDGE GREENPOINT AVE/NEWTOWN CREEK**  
**Asset # : 2500**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Pavement								
Asphalt	100%			2034	**	4	\$7,100	
<i>Settlement, Extent : Light, Area Affected : 2%</i>								
<i>Location : Beginning And End Approaches</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Beginning And End Approaches</i>								
<i>Explanation : Asphalt Recently Repaved.</i>								
Concrete	100%			2044	**	4	\$39,100	
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 30%</i>								
<i>Location : Both Sides Of The Beginning And End Approaches</i>								
Guide Railing								
Steel	100%			LIFE	**	2-8		
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
Steel	100%			LIFE	**	2-8		
Pier,Columns								
Concrete	100%			LIFE	**			
Stem,Solid Pier								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Multi-Rotational Bearing	100%			2069	**			
<i>Loose Fastenings, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Pier 10 At 3 Locations</i>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%	2-4	\$139,000	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Pier 3 At Stringer 1 And Stringer 10</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Pier 3 At Stringer 11</i>								
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 30%</i>								
<i>Location : Spans 1 Through 5 And 7 Through 12</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**GREENPOINT AVE. BRIDGE GREENPOINT AVE/NEWTOWN CREEK**  
**Asset # : 2500**

Bridge Structure		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>Deck Elements</b>								
Railings/Parapets Steel	100%			LIFE	**	2-8	\$95,500	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Spans 1 Through 5 And 7 Through 12</i>								
<i>Explanation : Spans With Railings.</i>								
<hr/>								
Sidewalks Concrete	100%			2039	**	5	\$38,600	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1 Through 5 And 7 Through 12</i>								
<i>Explanation : Only Spans 1 Through 5 And 7 Through 12</i>								
<hr/>								
Wearing Surface Concrete	100%			2044	**	5	\$338,400	
<hr/>								
<b>Superstructure</b>								
Deck, Structural Concrete	100%			LIFE	**	5	\$132,100	
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Spans 11</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Spans 7, 8, 9 And 10</i>								
<i>Explanation : Stay In Place Forms Are Corroded.</i>								
<hr/>								
<b>Joints</b>								
Generic	100%	Now	\$9,000	LIFE	**			
<i>Leakage, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Piers 3, 7 And 10</i>								
<i>Missing/Damaged Seal, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Piers 3, 7 And 10 Armored Joint At Right (South) Sidewalk</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Spans 3, 4, 7 And 10</i>								
<i>Explanation : Joints Filled With Dirt.</i>								
<hr/>								
Primary Member Steel	100%			LIFE	**	2-8	\$2,623,600	
<hr/>								
Secondary Member Steel	100%			LIFE	**	2-8	\$2,251,000	
<hr/>								
<b>Movable Bridges</b>								
Bascule Span Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Bascule Span 6</i>								
<i>Explanation : Sidewalk And Roadway Wearing Surface Is New</i>								
<hr/>								
Bascule Span Pier Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bascule Span Piers 5 And 6</i>								
<i>Explanation : Base Of Trunnion Tower Columns Exhibit Corrosion,</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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**DEPARTMENT OF TRANSPORTATION - 841**  
**GREENPOINT AVE. BRIDGE GREENPOINT AVE/NEWTOWN CREEK**  
**Asset # : 2500**

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Intercom								
Generic	100%	Now	\$15,000	2029	\$15,000			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Entire Bridge</i>								
<i>Explanation : Intercom Not Functioning</i>								
Telephone								
Desk Top	100%			2028				
Control System Electrical								
Control Console								
Stainless Steel	100%	Now	\$47,900	LIFE		**		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Knob On Power Feeder Selector Broken</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Control Desk</i>								
<i>Explanation : Position Indicator Not Working</i>								
Control Devices								
Relay	100%	Now	\$7,700	2034		**		
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Motor Drives</i>								
<i>Explanation : Meters Show Current Surge During Operation Of Drives</i>								
Disconnect Switch								
Non Fused	100%			2042		**	1	\$35,900
Limit Switch								
Generic	100%			2042		**		
Local Starter								
Magnetic	100%			2042		**		
Drive								
Machinery Brake								
Thruster	100%			2055		**	1	\$1,100
Motor Brake								
Thruster	100%			2049		**	1	\$1,100
Span Lock Motor								
Generic	100%			2049		**	1	\$1,100
Electrical Power								
MCC								
Contactors	100%			2042		**		
Panelboard								
Circuit Breaker	100%			2046		**	1	\$6,700
Service Equipment								
Not Accessible	100%							
Transfer Switch								
Not Accessible	100%							
Transformer								
Dry	100%			2042		**		
Ground/Lightning Protection								
Ground Rod								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**GREENPOINT AVE. BRIDGE GREENPOINT AVE/NEWTOWN CREEK**  
**Asset # : 2500**

<b>Bridge 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>
Interior Lighting								
Lighting Fixture								
	Fluorescent	100%			2023	\$3,400	1	\$5,600
	HID	100%			2027	\$3,400		
	Incandescent	100%			2022	\$3,400		
Wiring Device								
	Generic	100%			2034	* *		
Navigation Lighting								
Fender Lighting								
	Incandescent	100%			2024			
Span Lighting								
	Incandescent	100%			2024		1	\$2,300
Raceway								
Box								
	Pull Junction	100%			2029		1	\$6,700
	Terminal	100%			2034	* *	1	\$2,300
Communications								
	Twisted Shielded pair	100%			2028			
Conduit								
	Metal	100%			2057	* *		
Submarine Control Cables								
	Generic	100%			2030	* *		
Submarine Power Cable								
	Generic	100%			2030	* *		
Trough								
	Metal	100%			2064	* *	1	\$1,100
Wires								
	Thermoplastic	100%			2034	* *		
Span Lock								
Motor								
	Squirrel Cage	100%			2032	* *		
Stand-by Power								
Transfer Switch								
	Not Accessible	100%						
Traffic System Electrical								
Traffic Gate Lighting								
	Incandescent	100%			2024		1	\$1,100
Traffic Gong								
	Generic	100%			2024		1	\$600
Traffic Signal								
	Generic	100%			2027		1	\$600
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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**GREENPOINT AVE. BRIDGE GREENPOINT AVE/NEWTOWN CREEK**  
**Asset # : 2500**

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

## Lighting

## Lighting Devices

Generic	30%			2030	**			
Generic	35%	0-2	\$3,800	2023	\$37,800			

*Broken/Missing Elements, Extent : Moderate, Area Affected : 10%*  
*Location : Northeast And Southeast Roadway HID Lights Inoperative*

Generic	35%	Now	\$3,800	2030	**			
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*Broken/Missing Elements, Extent : Moderate, Area Affected : 30%*  
*Location : Spot Lighting At Areaways*

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

## Bascule

## Counter Weight

Generic	100%			2057	**	2	\$89,800	
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## Houses

Access Ways	100%	Now	\$25,900	2032	**			
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*Other Observation, Extent : Moderate, Area Affected : 10%*  
*Location : Throughout All Areas*

*Explanation : Some Grating, Door, And Hatch Repair Necessary. Platform Missing At Northwest And Northeast Pocket Access.*

Control House	100%	Now	\$58,300	2044	**			
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*Other Observation, Extent : Moderate, Area Affected : 10%*  
*Location : Control House*

*Explanation : The Roof, Some Doors And Windows Need Repair. Some Floor Panels Need Repair. Water And Heater Leaks.*

Machinery Room	100%	Now	\$53,800	2057	**			
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*Other Observation, Extent : Moderate, Area Affected : 20%*  
*Location : Machinery Rooms*

*Explanation : Machinery Rooms Are Corroded. Some Panels, Doors, Hatches And Locks Need Repair.*

## Lock Bars

With Motor	100%	Now	\$333,600	2038	**			
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*Other Observation, Extent : Moderate, Area Affected : 30%*  
*Location : Lock Bars*

*Explanation : Clearances Need To Be Reduced. Oil Leakage And Components Are Corroding. Dry Rubbing Noise. Repairs Needed.*

## Main Drive System

Generic	100%	Now	\$1,489,200	2057	**	2	\$215,500	
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*Other Observation, Extent : Moderate, Area Affected : 30%*  
*Location : Operating Machinery*

*Explanation : Lube Leakage, Corrosion, Coupling Gaskets Deteriorating. Noise From Reducers Should Be Monitored. One Brake Out.*

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**GREENPOINT AVE. BRIDGE GREENPOINT AVE/NEWTOWN CREEK**  
**Asset # : 2500**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Bascule								
Rack								
Generic	100%	Now	\$30,000	2057		**		
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Racks</i>								
<i>Explanation : Some Build Up Of Debris On Supports And Fasteners.</i>								
Structural Bearings								
Generic	100%	Now	\$2,400	2038		**		
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Live Load Bearings</i>								
<i>Explanation : Bearings Need To Be Adjusted In Conjunction With Locks.</i>								
Traffic Devices								
Barrier Gate								
	100%	Now	\$83,400	2032		**		
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : Vehicle Restraint System Requires Repair. Broken/ Missing Hardware And Locks On Some Gates.</i>								
Warning Gate								
	100%	Now	\$25,900	2032		**		
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Warning Gates</i>								
<i>Explanation : Disconnected Guy Wire On One Gate. Missing Locks.</i>								
Trunnion								
Generic	100%	Now	\$994,800	2057		**		
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Trunnion Assemblies</i>								
<i>Explanation : Corrosion. Slight Squeak On West For A Few Degrees Of Operation. Most Likely Small Dry Spot Of Grease.</i>								

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

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : HAMILTON AVENUE BRIDGE NORTHBOUND LEAF  
**Address** : HAMILTON AVE./GOWANUS CANAL  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0138.010 / 13434 **Yr Built/Renovated** : 1931 / 2007  
**Area Sq Ft** : 7,300 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 04-Feb-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240232

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$967,800	\$2,843,100
<b>Total</b>	<b>\$967,800</b>	<b>\$2,843,100</b>
Importance Code A		\$112,600
Importance Code B	\$528,700	
Importance Code C	\$439,100	\$2,730,500
<b>Total</b>	<b>\$967,800</b>	<b>\$2,843,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure			\$37,900	
Bridge Electrical	\$42,800	\$6,600	\$6,600	\$6,600
Bridge Mechanical	\$106,700	\$18,000	\$53,900	\$18,000
<b>Total</b>	<b>\$149,500</b>	<b>\$24,500</b>	<b>\$98,400</b>	<b>\$24,500</b>
Importance Code A			\$8,500	
Importance Code B	\$149,500	\$24,500	\$60,800	\$24,500
Importance Code C			\$29,000	
<b>Total</b>	<b>\$149,500</b>	<b>\$24,500</b>	<b>\$98,400</b>	<b>\$24,500</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**HAMILTON AVENUE BRIDGE NORTHBOUND LEAF**

**Asset # : 13434**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE			**	
Backwall								
Concrete	100%			LIFE			**	
			<i>Other Observation, Extent : Light, Area Affected : 1%</i>					
			<i>Location : End Abutment Only</i>					
			<i>Explanation : Backwall</i>					
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
			<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location : End Abutment Only</i>					
			<i>Explanation : Bearings not accessible</i>					
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Stem (breastwall)								
Concrete	100%	4+	\$528,700	LIFE			**	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : End Abutment</i>					
Masonry: Granite	100%			LIFE			**	
			<i>Other Observation, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Begin Abutment</i>					
			<i>Explanation : Begin Abutment</i>					
Walls								
Concrete	100%			LIFE			**	
			<i>Other Observation, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Span 3</i>					
			<i>Explanation : Walls Enclose Span 3</i>					
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE			**	
Feature Crossed								
Bank Protection								
Concrete	100%			LIFE			**	
Timber	50%			2026	\$1,231,800			
Timber	50%	Now	\$369,500	2026	\$1,231,800			
			<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>					
			<i>Location : Begin Abutment Right Side.</i>					
Mat (scour & erosion)								
Not Accessible	100%							

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HAMILTON AVENUE BRIDGE NORTHBOUND LEAF**

**Asset # : 13434**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed								
Pier Protection								
Timber	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 1 And 2.</i>								
<i>Explanation : Piers 1 And 2.</i>								
Approaches								
Pavement								
Asphalt	100%			2030	**	4	\$58,000	
Concrete	100%			2039	**	4		
Curbs								
Steel	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**	2-8	\$26,200	
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8		
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$11,100	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Pier 2</i>								
<i>Explanation : Steel Columns Support Bascule Girders.</i>								
Stem,Solid Pier								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**	2-8	\$6,900	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE	**			
Deck Elements								
Curbs								
Steel	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**			
Median								
Cobblestone	100%			2052	**			
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$8,500	
Sidewalks								
Concrete	100%			2034	**	5	\$9,600	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HAMILTON AVENUE BRIDGE NORTHBOUND LEAF**

**Asset # : 13434**

<b>Bridge Structure</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Deck Elements</b>								
Wearing Surface								
Asphalt	100%			2030	**	5	\$139,200	
Concrete	100%			2039	**	5	\$156,900	
Steel Grating	100%			LIFE	**	5	\$40,400	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 2</i>								
<i>Explanation : Steel Grating In Bascule Span.</i>								
<b>Superstructure</b>								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$8,000	
Steel Grating	100%			LIFE	**	5	\$40,400	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 2</i>								
<i>Explanation : Steel Grating In Bascule Span.</i>								
<b>Joints</b>								
Steel	100%			LIFE	**			
<b>Primary Member</b>								
Concrete	100%			LIFE	**	5		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 1</i>								
<i>Explanation : Concrete Ribbed Arches.</i>								
Steel	100%			LIFE	**	2-8	\$135,000	
<b>Secondary Member</b>								
Concrete	100%			LIFE	**	5		
<b>Movable Bridges</b>								
Bascule Span								
Steel	100%			LIFE	**			
Bascule Span Pier								
Concrete	100%			LIFE	**			
<b>Bridge 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>Communication Electrical</b>								
Intercom								
Generic	100%			2026			\$18,900	
Telephone								
Desk Top	100%			2026			\$300	
Jack								
Telephone	100%			2026			\$200	
<b>Control System Electrical</b>								
Computer								
PLC	100%	Now	\$7,800	2026	\$25,800			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Plc In Operators Room</i>								
<i>Explanation : Gate Group Raise Not Functioning</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HAMILTON AVENUE BRIDGE NORTHBOUND LEAF**

**Asset # : 13434**

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Control System Electrical								
Control Console Stainless Steel	100%			LIFE	**			
Control Devices Relay	100%			2046	**			
Disconnect Switch Non Fused	100%			2046	**	1	\$35,900	
Limit Switch Rotary	100%			2026				
Local Starter Magnetic	100%			2046	**			
Drive								
Grating Motor Generic	100%			2056	**			
Machinery Brake Thruster	100%			2056	**	1	\$1,100	
Motor Brake Thruster	100%			2056	**	1	\$1,100	
Span Lock Motor Generic	100%			2056	**	1	\$600	
Electrical Power								
Panelboard Circuit Breaker	100%			2046	**	1	\$6,700	
Service Equipment Circuit Breaker	100%			2046	**			
Transfer Switch Auto	100%			2046	**			
Exterior Lighting								
Spot Lighting Generic	100%			2026	\$21,300			
Ground/Lightning Protection								
Ground Bus Copper	100%			2031	**			
Ground Rod Not Accessible	100%							
Ground Wire Green	100%			2031	**			
Navigation Lighting								
Pier Lighting Incandescent	100%			2026	\$6,100	1	\$4,500	
Span Lighting Incandescent	100%	Now	\$2,300	2026	\$11,600	1	\$2,000	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i> <i>Location : Bascule Span Lights</i> <i>Explanation : Red Lights Not Working</i>								
Raceway								
Box Pull Junction	100%			2036	**	1	\$4,500	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HAMILTON AVENUE BRIDGE NORTHBOUND LEAF**

**Asset # : 13434**

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Raceway</b>								
Conduit								
Metal	100%			2066	**			
Submarine Control Cables								
Control	100%			2031	**			
Submarine Power Cable								
Power	100%			2031	**			
Trough								
Metal	100%			2066	**	1	\$1,100	
Wires								
Thermoplastic	100%			2046	**			
<b>Span Lock</b>								
Motor								
Squirrel Cage	100%			2041	**			
<b>Stand-by Power</b>								
Generator								
Diesel	100%	Now	\$15,800	2046	**	1	\$4,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator House</i>						
		<i>Explanation : Generator Not Functioning</i>						
Transfer Switch								
Auto	100%			2046	**			
<b>Traffic System Electrical</b>								
Barrier Gate Lighting								
Incandescent	100%			2026	\$15,100	1	\$1,100	
Traffic Gate Lighting								
Incandescent	100%	Now	\$300	2026	\$15,100	1	\$1,000	
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Se Warning Gate</i>						
		<i>Explanation : Flashing Light Out</i>						
Traffic Gong								
Generic	100%			2026	\$15,900	1	\$600	
Traffic Sign								
Fixed	100%			2026				
Traffic Signal								
Generic	100%			2026	\$2,800	1	\$600	
<b>Lighting</b>								
Lighting Devices								
Generic	100%	Now	\$10,800	2031	**			
		<i>Other Observation, Extent : Light, Area Affected : 25%</i>						
		<i>Location : Various Locations</i>						
		<i>Explanation : Exit Lighting Did Not Function When Tested With Button On Unit.</i>						

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

**Bascule**

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HAMILTON AVENUE BRIDGE NORTHBOUND LEAF**

**Asset # : 13434**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Bascule								
Counter Weight Generic	100%			2061	**	2	\$44,900	
Emergency Drive Emergency Power	100%	Now	\$7,300	2061	**	2	\$71,800	
<i>Other Observation, Extent : Severe, Area Affected : 5%</i> <i>Location : Hpu And Control Rooms</i> <i>Explanation : Operation Was Not Observed. Check Operation And For The Presence Of Exhaust Gas In Control Tower. Missing Handle Locks</i>								
Fuel Tanks Generic	100%			2043	**			
Houses								
Access Ways	100%	Now	\$2,200	2039	**			
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i> <i>Location : Access Ways, Sump Pump Room And Cwt Pits</i> <i>Explanation : Hatches Leak. Locking Pin For Swing Platform, Sump Pump Stairs Needs Repairs. Loose Hardware And Chains. Missing Grates.</i>								
Control House	100%	Now	\$26,200	2061	**			
<i>Other Observation, Extent : Light, Area Affected : 2%</i> <i>Location : Control House</i> <i>Explanation : Leaky Windows And Doors, Permanent Shades Required. Alarms, Sewer Pump, Heating And Water Supply Require Repairs.</i>								
Machinery Room	100%	Now	\$4,500	2061	**			
<i>Other Observation, Extent : Light, Area Affected : 2%</i> <i>Location : Machine Room</i> <i>Explanation : Some Water Leakage Into Room</i>								
Lock Bars								
With Motor	60%	Now	\$22,300	2039	**	2	\$35,900	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i> <i>Location : East Lock Bars</i> <i>Explanation : Some Coverage Of Debris. Missing Single And/or Double Nuts. Brake Release Pulled. Minor Adj. Required.</i>								
With Motor	40%			2039	**	2	\$44,900	
Main Drive System								
Generic	100%	Now	\$19,900	2061	**	2	\$107,800	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i> <i>Location : East Machine Room</i> <i>Explanation : Breathers Will Need To Be Changed Soon. Some Minor Leaks And Machinery Covers Removed.</i>								
Rack								
Generic	100%			2061	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i> <i>Location : Racks</i> <i>Explanation : Some Surface Corrosion And Debris Buildup On Interior Of Rack And Support.</i>								

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**DEPARTMENT OF TRANSPORTATION - 841  
HAMILTON AVENUE BRIDGE NORTHBOUND LEAF**

**Asset # : 13434**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Bascule								
Structural Bearings								
Generic	100%	Now	\$5,600	2039			* *	
	<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>							
	<i>Location : Cwt Pit</i>							
	<i>Explanation : Bumper Block Wood Is Splitting.</i>							
<hr/>								
Traffic Devices								
Barrier Gate	100%	Now	\$18,700	2039			* *	
	<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Barrier Gates</i>							
	<i>Explanation : Some Doors And Hardware Damaged</i>							
<hr/>								
Warning Gate	100%			2039			* *	
<hr/>								
Trunnion								
Generic	100%			2061			* *	
<hr/>								

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : HAMILTON AVENUE BRIDGE SOUTHBOUND LEAF  
 Address : HAMILTON AVE./GOWANUS CANAL  
 Borough : BROOKLYN Agency's Number : N/A  
 Program / Asset # : DOT0138.000 / 4217 Yr Built/Renovated : 1931 / 2008  
 Area Sq Ft : 7,300 Project Type : WATERWAY BRIDGES  
 Date of Survey : 04-Feb-2015 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2240231

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure	\$115,700	\$1,092,800
Bridge Electrical		\$179,300
Bridge Mechanical	\$106,100	
<b>Total</b>	<b>\$221,800</b>	<b>\$1,272,100</b>
Importance Code A		\$467,900
Importance Code B	\$106,100	\$606,900
Importance Code C	\$115,700	\$197,300
<b>Total</b>	<b>\$221,800</b>	<b>\$1,272,100</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$20,100		\$116,400	
Bridge Electrical	\$47,900	\$6,600	\$6,600	\$6,600
Bridge Mechanical	\$126,600	\$44,900	\$53,900	\$44,900
<b>Total</b>	<b>\$194,500</b>	<b>\$51,500</b>	<b>\$176,900</b>	<b>\$51,500</b>
Importance Code A			\$44,200	
Importance Code B	\$174,500	\$51,500	\$103,700	\$51,500
Importance Code C	\$20,100		\$29,000	
<b>Total</b>	<b>\$194,500</b>	<b>\$51,500</b>	<b>\$176,900</b>	<b>\$51,500</b>



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**DEPARTMENT OF TRANSPORTATION - 841**  
**HAMILTON AVENUE BRIDGE SOUTHBOUND LEAF**

**Asset # : 4217**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : End Abutment</i>								
<i>Explanation : Concrete Bridge Seat.</i>								
Backwall Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : End Abutment</i>								
<i>Explanation : End Abutment</i>								
Brngs,Ancr Blts,Pads Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : End Abutment Only.</i>								
<i>Explanation : Bearings Not Accessible</i>								
Footings Not Accessible	100%							
Mat (scour & erosion) Not Accessible	100%							
Stem (breastwall) Concrete	100%			LIFE		**		
Masonry: Granite	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Begin Abutment</i>								
<i>Explanation : Begin Abutment</i>								
Walls Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 3</i>								
<i>Explanation : Walls Enclose Span 3</i>								
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion) Generic	100%			LIFE		**		
Piles Not Accessible	100%							
Walls Concrete	100%			LIFE		**		
Feature Crossed								

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**HAMILTON AVENUE BRIDGE SOUTHBOUND LEAF**

**Asset # : 4217**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed								
Bank Protection								
Riprap	100%	4+	\$115,700	LIFE		**		
<i>Erosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Begin Abutment Left Side</i>								
Sheet Piling	100%			LIFE		**		
Timber	90%			2031		**		
Timber	10%	Now	\$12,300	2031		**		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : End Abutment Left Side</i>								
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 1 And 2.</i>								
<i>Explanation : Piers 1 And 2.</i>								
Approaches								
Pavement								
Asphalt	100%			2030		**	4	\$58,000
Concrete	100%			2039		**	4	
Curbs								
Steel	100%			LIFE		**		
Guide Railing								
Steel	100%			LIFE		**	2-8	\$26,200
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE		**		
Piers								
Cap Beam								
Steel	100%			LIFE		**	2-8	
Pier,Columns								
Steel	100%			LIFE		**	2-8	\$11,100
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Pier 2</i>								
<i>Explanation : Steel Columns For Bascule Span.</i>								
Stem,Solid Pier								
Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE		**	2-8	\$6,900
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HAMILTON AVENUE BRIDGE SOUTHBOUND LEAF**

**Asset # : 4217**

Bridge Structure		Current 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>Piers</b>								
Pedestals								
Concrete	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Piers 1 And 2.</i>						
		<i>Explanation : Concrete Pedestals For Span 2 At Pier 1 Bearings And For Span 3 At Pier 2 Bearings.</i>						
<b>Deck Elements</b>								
Curbs								
Steel	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**			
Median								
Cobblestone	100%			2052	**			
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$8,500	
Sidewalks								
Concrete	100%			2034	**	5	\$9,600	
Wearing Surface								
Asphalt	100%			2030	**	5	\$15,500	
Concrete	100%			2039	**	5	\$156,900	
Steel Grating	100%			LIFE	**	5	\$40,400	
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Span 2</i>						
		<i>Explanation : Steel Grating In Bascule Span.</i>						
<b>Superstructure</b>								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$3,300	
Steel Grating	100%			LIFE	**	5	\$40,400	
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Span 2</i>						
		<i>Explanation : Steel Grating In Bascule Span.</i>						
Joints								
Steel	100%			LIFE	**			
Primary Member								
Concrete	100%			LIFE	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Span 1</i>						
		<i>Explanation : Concrete Ribbed Arch.</i>						
Steel	100%			LIFE	**	2-8	\$798,600	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$669,000	
Movable Bridges								
Bascule Span								
Steel	100%			LIFE	**			
Bascule Span Pier								
Concrete	100%			LIFE	**			

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HAMILTON AVENUE BRIDGE SOUTHBOUND LEAF**

**Asset # : 4217**

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Communications								
Generic	100%			2026	\$36,100			
Control System Electrical								
Computer								
PLC	100%	Now	\$7,800	2026	\$25,800			
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Plc In Control Room</i>						
		<i>Explanation : Gate Group Raise Not Functioning.</i>						
Control Console								
Stainless Steel	100%			LIFE	**			
Control Devices								
Relay	100%			2046	**			
Disconnect Switch								
Non Fused	100%			2046	**	1	\$35,900	
Limit Switch								
Rotary	100%			2026				
Local Starter								
Magnetic	100%			2046	**			
Drive								
Grating Motor								
Generic	100%			2056	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Machine Room</i>						
		<i>Explanation : Grating Motor Description Used For Main Motor</i>						
Machinery Brake								
Thruster	100%			2056	**	1	\$1,100	
Motor Brake								
Thruster	100%			2056	**	1	\$1,100	
Span Lock Motor								
Generic	100%			2056	**	1	\$600	
Electrical Power								
Panelboard								
Circuit Breaker	100%			2046	**	1	\$6,700	
Service Equipment								
Circuit Breaker	100%			2046	**			
Transfer Switch								
Auto	100%			2046	**			
Exterior Lighting								
Spot Lighting								
Generic	100%			2026				
Ground/Lightning Protection								
Ground Bus								
Copper	100%			2031	**			
Ground Rod								
Not Accessible	100%							
Ground Wire								
Green	100%			2031	**			

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HAMILTON AVENUE BRIDGE SOUTHBOUND LEAF**

**Asset # : 4217**

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Navigation Lighting								
Pier Lighting								
Incandescent	100%	Now	\$300	2026	\$6,100	1	\$4,000	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : North Pier</i>								
<i>Explanation : Center Pier Light Out</i>								
Span Lighting								
Incandescent	100%	Now	\$2,300	2026	\$11,600	1	\$2,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : East And West Bascule Lights</i>								
<i>Explanation : Red Lights Not Working</i>								
Raceway								
Box								
Pull Junction	100%			2036	**	1	\$4,500	
Conduit								
Metal	100%			2066	**			
Submarine Control Cables								
Control	100%			2031	**			
Submarine Power Cable								
Power	100%			2031	**			
Trough								
Metal	100%			2066	**	1	\$1,100	
Wires								
Thermoplastic	100%			2046	**			
Span Lock								
Motor								
Squirrel Cage	100%			2041	**			
Stand-by Power								
Generator								
Diesel	100%	Now	\$15,800	2046	**	1	\$4,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator House</i>								
<i>Explanation : Generator Not Functioning</i>								
Transfer Switch								
Auto	100%			2046	**			
Traffic System Electrical								
Barrier Gate Lighting								
Incandescent	100%			2026		1	\$1,100	
Traffic Gate Lighting								
Incandescent	100%			2026		1	\$1,100	
Traffic Gong								
Generic	100%			2026		1	\$600	
Traffic Sign								
Fixed	100%			2026				
Traffic Signal								
Generic	100%			2026	\$143,200	1	\$600	
Lighting								

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**DEPARTMENT OF TRANSPORTATION - 841  
HAMILTON AVENUE BRIDGE SOUTHBOUND LEAF**

**Asset # : 4217**

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

## Lighting

## Lighting Devices

Generic

50% Now \$5,400 2031 \* \*

*Other Observation, Extent : Light, Area Affected : 25%**Location : Various Locations**Explanation : Bridge Service Lighting Has Some Fixtures That Are Not Working.*

Generic

50% Now \$10,800 2031 \* \*

*Other Observation, Extent : Light, Area Affected : 40%**Location : Various Locations**Explanation : Some Emergency Exit Lights Do Not Work When Tested Using The Test Function On Unit.*

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

## Bascule

## Counter Weight

Generic

100% 2061 \* \* 2 \$44,900

## Emergency Drive

Emergency Power

100% Now \$20,800 2061 \* \* 2 \$71,800

*Other Observation, Extent : Severe, Area Affected : 5%**Location : Hpu And Control Rooms**Explanation : Operation Was Not Observed. Check Operation And For The Presence Of Exhaust Gas In Control Tower. Missing Handle Locks.*

## Fuel Tanks

Generic

100% 2043 \* \*

## Houses

Access Ways

100% Now \$11,200 2039 \* \*

*Other Observation, Extent : Moderate, Area Affected : 2%**Location : Access Ways, Sump Pump Room And Cwt Pits**Explanation : Hatches Leak. Sump Pump Stairs Needs Repairs. Loose Hardware And Chains. Missing Grates.*

Control House

100% Now \$28,300 2061 \* \*

*Other Observation, Extent : Light, Area Affected : 2%**Location : Control House**Explanation : Leaky Windows And Doors. Permanent Shades Required. Alarms, Sewer Pump, Heating And Water Supply Require Repairs.*

Machinery Room

100% Now \$9,000 2061 \* \*

*Other Observation, Extent : Light, Area Affected : 2%**Location : Machine Room**Explanation : Some Water Leakage Into Room*

## Lock Bars

With Motor

65% 0-2 \$17,000 2039 \* \* 2 \$35,900

*Other Observation, Extent : Moderate, Area Affected : 10%**Location : West Locks**Explanation : Some Coverage Of Debris. Missing Single And/or Double Nuts. Minor Adj. Required.*

With Motor

35% 2039 \* \* 2 \$44,900

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HAMILTON AVENUE BRIDGE SOUTHBOUND LEAF**

**Asset # : 4217**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Bascule								
Main Drive System								
Generic	30%	Now	\$20,900	2061	**	2	\$107,800	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Machine Room</i>								
<i>Explanation : Breathers Will Need To Be Changed Soon. Some Minor Leaks And Machinery Covers Removed.</i>								
Generic	70%			2061	**	2	\$134,700	
Rack								
Generic	100%			2061	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Racks</i>								
<i>Explanation : Some Surface Corrosion And Debris Buildup On Interior Of Rack And Support.</i>								
Structural Bearings								
Generic	75%	Now	\$8,900	2041	**			
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Cwt Pit And Bascule Span</i>								
<i>Explanation : Bumper Block Wood Is Splitting. Some Bolts On Span Centering Guide Appeared To Not Seated.</i>								
Generic	25%			2039	**			
Traffic Devices								
Barrier Gate	60%	Now	\$106,100	2039	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : Oncoming Gate Not Functioning And Has Crack In Arm Weld. Off Going Gate Has Missing Arm Bolt.</i>								
Barrier Gate	40%			2039	**			
Warning Gate	100%			2039	**			
Trunnion								
Generic	25%	Now	\$10,500	2061	**			
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : West Trunnions</i>								
<i>Explanation : Missing Or Broken Grease Fittings.</i>								
Generic	75%			2061	**			

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : HUNTERS POINT AVE. BRIDGE HUNTERS POINT AVE BR/DUTCH KILLS  
**Address** : HUNTERS POINT AVE.  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0178.000 / 13712 **Yr Built/Renovated** :  
**Area Sq Ft** : 11,544 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 08-Apr-2009 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240450

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$523,500	\$905,800
Bridge Electrical	\$249,600	\$99,500
Bridge Mechanical	\$802,300	\$866,000
<b>Total</b>	<b>\$1,575,400</b>	<b>\$1,871,400</b>
Importance Code A		\$114,300
Importance Code B	\$1,575,400	\$1,079,800
Importance Code C		\$677,300
<b>Total</b>	<b>\$1,575,400</b>	<b>\$1,871,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$14,200	\$300	\$23,300	
Bridge Electrical	\$5,400			
Bridge Mechanical	\$8,000			
<b>Total</b>	<b>\$27,600</b>	<b>\$300</b>	<b>\$23,300</b>	
Importance Code A	\$100		\$11,900	
Importance Code B	\$13,300		\$11,500	
Importance Code C	\$14,100	\$300		
<b>Total</b>	<b>\$27,600</b>	<b>\$300</b>	<b>\$23,300</b>	



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**DEPARTMENT OF TRANSPORTATION - 841**  
**HUNTERS POINT AVE. BRIDGE HUNTERS POINT AVE BR/DUTCH KILLS**  
**Asset # : 13712**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Steel	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Begin And End Abutment</i>								
<i>Explanation : Debris On Bridge Seat.</i>								
Backwall Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads Steel	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Begin And End Abutment.</i>								
<i>Explanation : Debris On Bearings.</i>								
Footings Not Accessible	100%							
Joint with Deck Generic	100%	Now	\$114,200	LIFE		**		
<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Begin And End Abutment</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Begin And End Abutment</i>								
<i>Explanation : Joint Sealer Cracked And Allows Water And Debris On Bridge Seat.</i>								
Pedestals Concrete	100%			LIFE		**		
Stem (breastwall) Concrete	100%			LIFE		**		
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion) Riprap	100%			LIFE		**		
Piles Not Accessible	100%							
Walls Masonry: Stone	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : All 4 Wingwalls</i>								
<i>Explanation : Efflorescence Located On The Wingwalls</i>								
Feature Crossed								
Bank Protection Riprap	100%	4+	\$600	LIFE		**		
<i>Erosion, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Begin Abut. Left Side Embankment.</i>								
Mat (scour & erosion) Stream Bed	100%			LIFE		**		

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HUNTERS POINT AVE. BRIDGE HUNTERS POINT AVE BR/DUTCH KILLS**  
**Asset # : 13712**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed								
Pier Protection								
Timber	100%	4+	\$409,300	LIFE			**	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Pier 1 And Bascule Pier 2</i>								
<i>Rotted, Extent : Light, Area Affected : 20%</i>								
<i>Location : Both Piers</i>								
Approaches								
Pavement								
Concrete	100%			2029	\$8,100	4	\$1,000	
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : End Approach</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE			**	
Sidewalks								
Concrete	100%	4+	\$600	LIFE			**	
<i>Settlement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Both Approaches</i>								
Piers								
Stem,Solid Pier								
Masonry	100%			LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Pier 1</i>								
<i>Explanation : Pier 1 Is In Good Condition.</i>								
Brngs,Ancr Blts,Pads								
Steel	5%	Now	\$100	LIFE		2-8	\$900	
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Pier 1 Span 2 Side Right Bearing</i>								
<i>Explanation : Right Bearing At Pier 1 Is Bouncing Under Live Load.</i>								
Steel	95%			LIFE		2-8	\$900	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE			**	
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE			**	
Railings/Parapets								
Steel	100%			LIFE		2-8	\$9,600	
Sidewalks								
Concrete	100%			2025	\$190,200	5	\$6,400	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HUNTERS POINT AVE. BRIDGE HUNTERS POINT AVE BR/DUTCH KILLS**  
**Asset # : 13712**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements								
Wearing Surface								
Concrete	90%			2029	\$438,400	5	\$66,200	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 3 And 4.</i>								
<i>Explanation : Conc. Wearing Surface In Spans 1, 3 And 4.</i>								
Concrete	10%	4+	\$9,700	2029	\$48,700	5	\$33,100	
<i>Cracks, Extent : Light, Area Affected : 25%</i>								
<i>Location : Spans 1 And 4</i>								
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$12,700	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 3, And 4</i>								
<i>Explanation : Located In Spans 1, 3, And 4</i>								
Joints								
Generic	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8	\$213,400	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 3 And 4.</i>								
<i>Explanation : Located In Spans 1, 3 And 4.</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$178,800	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 3 And 4.</i>								
<i>Explanation : Located In Spans 1, 3 And 4.</i>								
Movable Bridges								
Bascule Span								
Steel	100%			LIFE	**			
Bascule Span Pier								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Piers 2 And 3</i>								
<i>Explanation : Fine Vertical Cracks</i>								

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Communications								
Generic	100%	Now	\$700	2020	\$36,100			
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Telephone</i>								
<i>Explanation : Telephone In Control Room Needs To Be Punched Down.</i>								
Control System Electrical								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HUNTERS POINT AVE. BRIDGE HUNTERS POINT AVE BR/DUTCH KILLS**  
**Asset # : 13712**

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Control System Electrical</b>								
Control Console								
Stainless Steel	100%	Now	\$800	LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Indication Lights</i>								
<i>Explanation : The Indication Lights Need Replacement/relamping.</i>								
Disconnect Switch								
Generic	100%			2040		**		
Limit Switch								
Generic	100%			2040		**		
<b>Electrical Power</b>								
Transfer Switch								
Auto	100%	4+	\$1,900	2040		**		
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Circuit Breaker Transfer</i>								
<i>Explanation : Circuit Breaker Transfer Switch Making Noise When Turned Off</i>								
Transformer								
Dry	100%			2040		**		
Heating								
Generic	100%			2040		**		
Dist Equip & Motor Controll								
Generic	100%			2040		**		
<b>Raceway</b>								
Submarine Control Cables								
Generic	100%			2024				
Wiring								
Generic	100%			2025				
<b>Stand-by Power</b>								
Generator								
Natural Gas	100%	Now	\$36,300	2033		**		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location :</i>								
<i>Explanation : Generator Is Inoperable</i>								
<b>Traffic System Electrical</b>								
Traffic Signal								
Generic	100%			2020	\$177,200			
<b>Lighting</b>								
Lighting Devices								
Generic	100%	Now	\$2,000	2025	\$99,500			
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Navigation Lighting</i>								
<i>Explanation : Several Navigational Lights Need Relamping.</i>								

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

Bascule

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future 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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**DEPARTMENT OF TRANSPORTATION - 841**  
**HUNTERS POINT AVE. BRIDGE HUNTERS POINT AVE BR/DUTCH KILLS**  
**Asset # : 13712**

Bridge Mechanical		Current 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>Bascule</b>								
Counter Weight Generic	100%			2055		**		
Emergency Drive Emergency Power	100%	Now	\$36,700	2035		**		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Control House And Machine Room</i>								
<i>Explanation : Emergency Operation Could Not Be Tested. System Should Be Tested Every Month.</i>								
<b>Houses</b>								
Access Ways	100%	Now	\$36,600	2029	\$183,200			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Access Ways</i>								
<i>Explanation : Some Doors/hatches Need Repair</i>								
Control House	100%	Now	\$106,700	2048		**		
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Control House</i>								
<i>Explanation : Roof Is Leaking. House Plumbing Needs Repair.</i>								
Machinery Room	100%			2055		**		
<b>Lock Bars</b>								
With Motor	50%	Now	\$26,200	2029	\$262,300			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Toe Locks</i>								
<i>Explanation : Some Corrosion. Lock Bar Protective Cover Needs To Be Repaired.</i>								
With Motor	50%	Now	\$131,100	2029	\$262,300			
<i>Other Observation, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Tail Locks</i>								
<i>Explanation : Tail Locks Not Functional. Also, South Tail Lock Missing Drive Motor.</i>								
<b>Main Drive System</b>								
Generic	100%	Now	\$127,000	2055		**		
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Machinery Room</i>								
<i>Explanation : Limit Switches Need To Be Adjusted In Conjunction With Live Load Bearings For Firm Seating Of Bridge.</i>								
<b>Rack</b>								
Generic	100%			2055		**		
<b>Structural Bearings</b>								
Generic	50%	Now	\$8,000	2033		**		
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Live Load Bearings At Toe</i>								
<i>Explanation : Gap Present At South And Center Live Load Support Bearings And Substantial Movement Under Traffic Loading.</i>								
Generic	50%			2033		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Live Load Supports At Tail</i>								
<i>Explanation : Not Accessible</i>								
<b>Track</b>								
Generic	100%			2055		**		

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HUNTERS POINT AVE. BRIDGE HUNTERS POINT AVE BR/DUTCH KILLS**  
**Asset # : 13712**

<b>Bridge Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Bascule								
Traffic Devices								
Barrier Gate	100%	Now	\$79,200	2029	\$158,400			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : The Barrier Gates Are Currently Not In Service.</i>								
Warning Gate	100%			2023	\$258,700			

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : HUTCHINSON RIVER PARKWAY BRIDGE HUTCHNS RIV PKY/HUTCHINSON RIVER  
**Address** : BARTOW AVE X-ING HUTCH RIVER  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0007.090 / 4269 **Yr Built/Renovated** : 1935 / 1995  
**Area Sq Ft** : 60,456 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 24-Feb-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2075859

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$488,000	\$1,520,200
Bridge Electrical	\$54,200	\$2,635,200
Bridge Mechanical	\$1,547,900	\$1,812,800
<b>Total</b>	<b>\$2,090,100</b>	<b>\$5,968,200</b>
Importance Code A	\$488,000	\$598,100
Importance Code B	\$1,602,100	\$5,078,400
Importance Code C		\$291,700
<b>Total</b>	<b>\$2,090,100</b>	<b>\$5,968,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$10,800		\$120,200	\$18,300
Bridge Electrical	\$13,400	\$30,200		
Bridge Mechanical	\$73,500			
<b>Total</b>	<b>\$97,700</b>	<b>\$30,200</b>	<b>\$120,200</b>	<b>\$18,300</b>
Importance Code A	\$300		\$51,200	
Importance Code B	\$91,000	\$30,200	\$63,200	
Importance Code C	\$6,400		\$5,700	\$18,300
<b>Total</b>	<b>\$97,700</b>	<b>\$30,200</b>	<b>\$120,200</b>	<b>\$18,300</b>



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**DEPARTMENT OF TRANSPORTATION - 841**  
**HUTCHINSON RIVER PARKWAY BRIDGE HUTCHNS RIV PKY/HUTCHINSON RIVER**  
**Asset # : 4269**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals Concrete	100%			LIFE		**		
Backwall Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads Steel	100%			LIFE		**		
Footings Not Accessible	100%							
Joint with Deck Generic	100%			LIFE		**		
Mat (scour & erosion) Earth	100%	4+	\$4,100	LIFE		**		
			<i>Erosion, Extent : Light, Area Affected : 10%</i>					
			<i>Location : End Abutment Drainage</i>					
Generic	100%			LIFE		**		
Pedestals Concrete	100%			LIFE		**		
<b>Wingwalls</b>								
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE		**		
Piles Not Accessible	100%							
Walls Brick Veneer	10%	4+	\$500	LIFE		**		
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Areas Of Wingwalls</i>					
			<i>Explanation : Efflorescence</i>					
Brick Veneer	90%			LIFE		**		
<b>Feature Crossed</b>								
Bank Protection Riprap	100%			LIFE		**		
Mat (scour & erosion) Not Accessible	100%							
Pier Protection Concrete	100%			LIFE		**		
			<i>Other Observation, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Piers 4 And 5.</i>					
			<i>Explanation : Granite Block Facade</i>					
Timber	100%			LIFE		**		
			<i>Other Observation, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Piers 2 And 3.</i>					
			<i>Explanation : Piers 2 And 3.</i>					
<b>Approaches</b>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**DEPARTMENT OF TRANSPORTATION - 841**  
**HUTCHINSON RIVER PARKWAY BRIDGE HUTCHNS RIV PKY/HUTCHINSON RIVER**  
**Asset # : 4269**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Pavement								
Asphalt	80%			2030	**	4	\$9,700	
Asphalt	20%	4+	\$5,900	2030	**	4	\$9,700	
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Approach</i>								
Concrete	100%			2039	**	4	\$36,500	
Curbs								
Concrete	100%			LIFE	**			
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Steel	90%			LIFE	**	2-8	\$5,500	
Steel	10%	Now	\$300	LIFE	**	2-8	\$5,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Side - South (Begin) Approach.</i>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pavement Base								
Not Accessible	100%							
Sidewalks								
Asphalt	100%			2030	**	4	\$1,800	
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1 - 7.</i>								
<i>Explanation : Sidewalk On West Side Only</i>								
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$36,600	
Pier,Columns								
Brick Veneer	100%			LIFE	**			
Concrete	100%			LIFE	**			
Granite	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 4, 5, 6.</i>								
<i>Explanation : Granite At Base.</i>								
Steel	100%			LIFE	**	2-8	\$92,200	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 2 And 3.</i>								
<i>Explanation : Steel Columns Encased In Concrete.</i>								
Stem,Solid Pier								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 2 And 3.</i>								
<i>Explanation : Solid Concrete Stem.</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HUTCHINSON RIVER PARKWAY BRIDGE HUTCHNS RIV PKY/HUTCHINSON RIVER**  
**Asset # : 4269**

Bridge Structure		Current 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>Piers</b>								
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2052	**			
Steel	100%	4+	\$59,300	LIFE	**	2-8	\$8,200	
<i>Corrosion, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Piers 2 And 3</i>								
<hr/>								
Footings								
Not Accessible	100%							
<hr/>								
Mat (scour & erosion)								
Not Accessible	100%							
<hr/>								
Pedestals								
Concrete	100%			LIFE	**			
<hr/>								
Piles								
Not Accessible	100%							
<hr/>								
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<hr/>								
Guide Railing								
Steel	100%			LIFE	**			
<hr/>								
Median								
Concrete	100%			LIFE	**	5	\$10,100	
<hr/>								
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$65,700	
<hr/>								
Sidewalks								
Concrete	100%			2034	**	5	\$11,400	
<hr/>								
Wearing Surface								
Concrete	100%			2039	**	5	\$291,700	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 2, 4 - 7.</i>								
<i>Explanation : Concrete Wearing Surface.</i>								
<hr/>								
Steel Grating	100%			LIFE	**	5		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 3</i>								
<i>Explanation : Bascule Span Steel Grating.</i>								
<hr/>								
<b>Superstructure</b>								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$53,200	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 2, 4 - 7.</i>								
<i>Explanation : Concrete Deck.</i>								
<hr/>								
Grating w/ Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 2 And 4.</i>								
<i>Explanation : Half The Spans Have Grating With Concrete.</i>								
<hr/>								
Steel Grating	100%			LIFE	**	5	\$58,200	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 3</i>								
<i>Explanation : Steel Grating Deck.</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HUTCHINSON RIVER PARKWAY BRIDGE HUTCHNS RIV PKY/HUTCHINSON RIVER**  
**Asset # : 4269**

<b>Bridge Structure</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Superstructure</b>								
<b>Joints</b>								
Generic	100%			LIFE		**		
<b>Primary Member</b>								
Steel	100%			LIFE		**	2-8	\$868,800
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 2 And 4 - 7.</i>								
<i>Explanation : Structural Steel</i>								
<b>Secondary Member</b>								
Steel	100%			LIFE		**	2-8	\$936,200
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1. 2 And 4 - 7.</i>								
<i>Explanation : Structural Steel</i>								
<b>Movable Bridges</b>								
<b>Bascule Span</b>								
Steel	90%			LIFE		**		
Steel	10%	Now	\$384,500	LIFE		**		
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Span 3</i>								
<i>Explanation : Based On Bien. Insp. Flags, Holes In Stringer And Purlins. Not Accessible Maybe Repaired.</i>								
<b>Bascule Span Pier</b>								
Concrete	95%			LIFE		**		
Concrete	5%	4+	\$44,200	LIFE		**		
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : North Leaf At Pier 3</i>								
<i>Explanation : Cracking Of Concrete At Trunnion Bearing Pedestal.</i>								

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Communication Electrical</b>								
<b>Intercom</b>								
Generic	100%			2024	\$15,000			
<b>Telephone</b>								
Desk Top	100%			2024				
<b>Control System Electrical</b>								
<b>Control Console</b>								
Generic	100%			2039		**		
<b>Control Devices</b>								
Relay	100%			2031		**		
<b>Disconnect Switch</b>								
Generic	100%			2039		**		

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HUTCHINSON RIVER PARKWAY BRIDGE HUTCHNS RIV PKY/HUTCHINSON RIVER**  
**Asset # : 4269**

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Control System Electrical								
Limit Switch								
Generic	100%	Now	\$2,000	2024	\$99,700			
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Northwest Pier Below Machine Room</i>								
<i>Explanation : Nw And Sw Fully Seated Limit Switches Stick.</i>								
Electrical Power								
Transfer Switch								
Auto	100%	2-4	\$11,400	2031		**		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Transfer Switch</i>								
<i>Explanation : Only One Power Source Available. Transfer Switch Cannot Be Used Because Only One Source Of Power Is Available.</i>								
Transformer								
Dry	100%			2031		**		
Heating								
Generic	100%			2031		**		
Dist Equip & Motor Controll								
Generic	100%			2031		**		
Navigation Lighting								
Pier Lighting								
Incandescent	100%			2024				
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : North And South Pier.</i>								
<i>Explanation : North And South Pier Each Have 1 Pier Light Out.</i>								
Span Lighting								
Incandescent	100%			2021				
Raceway								
Conduit								
Metal	90%	4+	\$54,200	2066		**		
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Below Machine Rooms</i>								
<i>Explanation : Conduits Corroding</i>								
Metal	10%			2041		**		
Submarine Control Cables								
Generic	100%			2024	\$853,900			
Submarine Power Cable								
Power	100%			2024				
Wiring								
Generic	100%			2027	\$1,573,700			
Traffic System Electrical								
Barrier Gate Lighting								
Incandescent	100%			2021	\$15,100			
Traffic Gate Lighting								
Incandescent	100%			2021	\$15,100			
Traffic Gong								
Not Accessible	100%							

## Lighting

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

Estimates are rounded to the nearest hundred dollars.

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

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HUTCHINSON RIVER PARKWAY BRIDGE HUTCHNS RIV PKY/HUTCHINSON RIVER**  
**Asset # : 4269**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Bascule								
Rack								
Generic	60%	0-2	\$64,800	2041			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Racks</i>								
<i>Explanation : No Operation Observed. Only North Racks Accessible. Corrosion Of Some Surfaces And Bolts.</i>								
Generic	40%			2041			* *	
Structural Bearings								
Not Accessible	100%							
Traffic Devices								
Barrier Gate								
	100%	Now	\$67,100	2022	\$670,500			
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : No Operation Observed. Only Observed From Sidewalk. Broken Or Missing Light Covers, Handles And Locks. Open Areas.</i>								
Signals	100%	Now	\$2,900	2029	\$147,200			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : South Traffic Signal Missing Visor.</i>								
Warning Gate								
	100%	Now	\$29,800	2022	\$298,300			
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Warning Gates</i>								
<i>Explanation : No Operation Observed. Only Observed From Sidewalk. Some Broken Or Missing Guy Wires, Light Covers, Handles And Locks.</i>								
Trunnion								
Generic	100%	Now	\$65,400	2041			* *	
<i>Other Observation, Extent : Light, Area Affected : 60%</i>								
<i>Location : Trunnion Bearings</i>								
<i>Explanation : No Operation Observed. Only Some North Brgs Accessible. Some Debris And Corrosion. Some Catch Troughs Filled Of Debris.</i>								

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : MACOMBS DAM BRIDGE E.155 ST./HARLEM RIVER  
**Address** : E.155 ST. AND HARLEM RIVER  
**Borough** : MANHATTAN:BX. **Agency's Number** : N/A  
**Program / Asset #** : DOT0137.000 / 4180 **Yr Built/Renovated** : 1931 / 2004  
**Area Sq Ft** : 275,000 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 12-Feb-2018 **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 1240090

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$6,460,800	\$6,591,500
Bridge Electrical	\$121,100	\$39,400
Bridge Mechanical	\$338,000	
<b>Total</b>	<b>\$6,919,900</b>	<b>\$6,630,900</b>
Importance Code A	\$3,198,100	\$3,142,900
Importance Code B	\$3,342,800	\$3,224,400
Importance Code C	\$379,100	\$263,500
<b>Total</b>	<b>\$6,919,900</b>	<b>\$6,630,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$1,095,600		\$623,200	
Bridge Electrical	\$52,700	\$6,500	\$6,500	\$6,500
Bridge Mechanical	\$77,200	\$22,500	\$58,400	\$22,500
<b>Total</b>	<b>\$1,225,600</b>	<b>\$29,000</b>	<b>\$688,100</b>	<b>\$29,000</b>
Importance Code A	\$877,600		\$303,800	
Importance Code B	\$330,700	\$29,000	\$384,300	\$29,000
Importance Code C	\$17,300			
<b>Total</b>	<b>\$1,225,600</b>	<b>\$29,000</b>	<b>\$688,100</b>	<b>\$29,000</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**MACOMBS DAM BRIDGE E.155 ST./HARLEM RIVER**

**Asset # : 4180**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Granite	100%			LIFE		**		
Backwall								
Masonry	100%			LIFE		**		
Brngs,Ancr Blts,Pads								
Steel	100%	4+	\$32,300	LIFE		**		
			<i>Corrosion, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Begin Abutment Pack Rust G1 And G5</i>					
<b>Footings</b>								
Not Accessible	100%							
<b>Joint with Deck</b>								
Generic	100%	Now	\$53,600	LIFE		**		
			<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Beginning Abutment Joint Sealer Damaged</i>					
<b>Mat (scour &amp; erosion)</b>								
Generic	100%			LIFE		**		
<b>Pedestals</b>								
Concrete	100%			LIFE		**		
<b>Stem (breastwall)</b>								
Masonry: Granite	100%			LIFE		**		
<b>Walls</b>								
Not Accessible	100%							
<b>Wingwalls</b>								
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Generic	100%			LIFE		**		
<b>Piles</b>								
Not Accessible	100%							
<b>Walls</b>								
Concrete	100%			LIFE		**		
Masonry: Granite	100%	4+	\$17,300	LIFE		**		
			<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Beginning Right Wingwall Has Voids And Displacement 4 Inches.</i>					
<b>Feature Crossed</b>								
<b>Bank Protection</b>								
Concrete	100%			LIFE		**		
Riprap	100%			LIFE		**		
<b>Mat (scour &amp; erosion)</b>								
Not Accessible	100%							
<b>Pier Protection</b>								
Concrete	100%			LIFE		**		
			<i>Other Observation, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Pier 36</i>					
			<i>Explanation : Concrete With Rubber Bumpers.</i>					
<b>Approaches</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**MACOMBS DAM BRIDGE E.155 ST./HARLEM RIVER**

**Asset # : 4180**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Pavement								
Concrete	100%			2044	**	4		
Curbs								
Steel	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**	2-8	\$28,800	
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$2,733,300	
<i>Corrosion, Extent : Moderate, Area Affected : 6%</i> <i>Location : Piers 4, 17, And 25. Pier 25 Is The Most Severe.</i> <i>Recent Repair Evident, Extent : Light, Area Affected : 5%</i> <i>Location : Spans 1 Through 30</i> <i>Other Observation, Extent : Moderate, Area Affected : 15%</i> <i>Location : Spans 1 Through 30</i> <i>Explanation : Contractor Is Performing Steel Repairs, At The Moment.</i>								
Pier,Columns								
Steel	100%	4+	\$1,105,300	LIFE	**	2-8	\$2,821,200	
<i>Corrosion, Extent : Moderate, Area Affected : 2%</i> <i>Location : Pier 17</i> <i>Other Observation, Extent : Light, Area Affected : 1%</i> <i>Location : Spans 1 Through 30</i> <i>Explanation : Contractor Working In Spans 1 Through 30</i>								
Stem,Solid Pier								
Concrete	100%	4+	\$475,300	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 10%</i> <i>Location : Pier 51</i> <i>Spalling, Extent : Moderate, Area Affected : 20%</i> <i>Location : Pier 51</i>								
Masonry	100%			LIFE	**			

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

**DEPARTMENT OF TRANSPORTATION - 841  
MACOMBS DAM BRIDGE E.155 ST./HARLEM RIVER**

**Asset # : 4180**

Bridge Structure		Current 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>Piers</b>								
Brngs,Ancr Blts,Pads								
Steel	25%	Now	\$384,200	LIFE	**	2-8	\$49,000	
<i>Bearings Frozen, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Piers 2, 6, 10, 18, 22, 25, 27, 29, 31, 35 And 38 Expansion Bearings Are Frozen.</i>								
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1 Through 30</i>								
<i>Explanation : Contractor Working In Spans 1 Through 30</i>								
Steel	70%			LIFE	**	2-8	\$81,900	
Steel	5%	0-2	\$38,400	LIFE	**	2-8	\$49,000	
<i>Loose Fastenings, Extent : Light, Area Affected : 5%</i>								
<i>Location : Pier 42</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Piers 12, 14, And 17 Are Under Construction</i>								
<i>Explanation : Pack Rust At Bearings.</i>								
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Generic	100%			LIFE	**			
<b>Pedestals</b>								
Steel	100%	0-2	\$58,700	LIFE	**			
<i>Corrosion, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Piers 4, 10, 12, 17, 25 And 29.</i>								
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1 Through 29</i>								
<i>Explanation : Contractor Working In Spans 1 Through 30</i>								
<b>Deck Elements</b>								
<b>Curbs</b>								
Steel	100%			LIFE	**			
<b>Guide Railing</b>								
Concrete	100%			2049	**			
Steel	100%			LIFE	**			
<b>Mono Deck Surface</b>								
Concrete	100%			2059	**	5		
<b>Railings/Parapets</b>								
Steel	100%			LIFE	**	2-8	\$222,400	
<b>Sidewalks</b>								
Concrete	100%			2039	**	5	\$107,100	
<b>Wearing Surface</b>								
Concrete	100%	4+	\$251,000	2044	**	5	\$156,400	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Scattered Locations Throughout The Bridge</i>								
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Concrete	100%			LIFE	**	5	\$245,200	

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.

**DEPARTMENT OF TRANSPORTATION - 841  
MACOMBS DAM BRIDGE E.155 ST./HARLEM RIVER**

**Asset # : 4180**

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

Superstructure

Joints

Steel	100%			LIFE		**		
Generic	100%	Now	\$128,100	LIFE		**		

*Joints Missing, Extent : Severe, Area Affected : 25%*

*Location : Piers 4, 8, 12, 14, 25, 31, 39, And 48*

Primary Member

Steel	95%			LIFE		**	2-8	\$3,529,900
Steel	5%	4+	\$798,700	LIFE		**	2-8	\$2,059,400

*Corrosion, Extent : Moderate, Area Affected : 5%*

*Location : Span 40 Bottom Chord Eyebars.*

Secondary Member

Steel	90%			LIFE		**	2-8	\$3,028,500
Steel	10%	4+	\$88,200	LIFE		**	2-8	\$1,725,200

*Corrosion, Extent : Severe, Area Affected : 10%*

*Location : Spans 23, 26, 30, 37, And 40 At Cross Frame Diaphragms.*

*Other Observation, Extent : Light, Area Affected : 1%*

*Location : Spans 23, 26, And 30*

*Explanation : Contractor Working In Spans 1 Through 30*

Movable Bridges

Swing Span Truss

Steel	100%			LIFE		**		
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Swing Span Pivot Pier

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

Communication Electrical

Communications

Generic	90%	Now	\$14,200	2028	\$35,400			
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*Other Observation, Extent : Severe, Area Affected : 100%*

*Location : Throughout Bridge*

*Explanation : Intercom Is Not Functioning Due To Hardware And Cable Issues. Needs Major Renovation.*

Generic	5%	Now	\$1,000	2029	\$2,000			
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*Other Observation, Extent : Moderate, Area Affected : 100%*

*Location : Manhattan Side Of Bridge Has The Phone Line Feed.*

*Explanation : Wall Mounted Phone Not Working*

Generic	5%			2028	\$2,000			
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Control System Electrical

Computer

PLC	100%	Now	\$11,300	2028	\$28,200			
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*Other Observation, Extent : Severe, Area Affected : 100%*

*Location : Programmable Logic Controller Cabinet*

*Explanation : Programmable Logic Controller Has Issues With Program Retention.*

*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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**MACOMBS DAM BRIDGE E.155 ST./HARLEM RIVER**

**Asset # : 4180**

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Control System Electrical								
Control Console								
Stainless Steel	100%			LIFE	**			
Control Devices								
Relay	100%			2049	**			
Disconnect Switch								
Non Fused	100%			2049	**	1	\$35,900	
Limit Switch								
Generic	100%	0-2	\$16,600	2046	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Center Pier</i>								
<i>Explanation : Rotary Limit Switch Has Cover Removed With Wires Hangning Out. Needs To Be Replaced.</i>								
Local Starter								
Magnetic	100%			2049	**			
Drive								
Grating Motor								
Generic	100%			2059	**			
Machinery Brake								
Thruster	100%			2059	**	1	\$600	
Motor Brake								
Thruster	100%			2059	**	1	\$1,100	
Electrical Power								
MCC								
Generic	10%	Now	\$1,600	2046	**			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Machine Room Motor Control Center</i>								
<i>Explanation : Southeast Endlift Starter Bad In Motor Control Center</i>								
Generic	90%			2049	**			
Panelboard								
Circuit Breaker	100%			2049	**	1	\$6,700	
Transfer Switch								
Auto	100%			2049	**			
Exterior Lighting								
Lighting Contactor								
Generic	100%			2049	**	1	\$5,600	
Lighting Fixture								
Generic	100%			2029				
Spot Lighting								
Generic	100%			2029				
Ground/Lightning Protection								
Ground Bus								
Copper	100%			2034	**			
Ground Rod								
Copper	100%			2029				
Ground Wire								
Green	100%			2034	**			
Interior Lighting								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**MACOMBS DAM BRIDGE E.155 ST./HARLEM RIVER**

**Asset # : 4180**

Bridge Electrical		Current 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 Lighting								
Exit Lighting								
Battery Operated	100%			2034	**			
Lighting Fixture								
Fluorescent	100%			2034	**	1	\$5,600	
Raceway								
Box								
Pull Junction	100%			2039	**	1	\$3,900	
Terminal	100%			2039	**	1	\$4,500	
Collector Ring								
Metal	100%			2039	**			
Conduit								
Metal	100%			2069	**			
Submarine Control Cables								
Control	100%			2034	**			
Submarine Power Cable								
Power	100%			2034	**			
Trough								
Metal	100%			2069	**	1	\$1,100	
Wires								
Thermoplastic	100%	0-2	\$121,100	2042	**			
<i>Other Observation, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Random Throughout Bridge</i>								
<i>Explanation : Conductor Insulation Is Old And Brittle. Needs To Be Replaced.</i>								
Span Lock								
Motor								
Squirrel Cage	100%			2044	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Span Lock</i>								
<i>Explanation : Span Lock Description Used For Endlifts Motors</i>								
Stand-by Power								
Transfer Switch								
Auto	100%			2049	**			
Traffic System Electrical								
Barrier Gate Lighting								
Not Accessible	100%							
Traffic Gate Lighting								
Not Accessible	100%							
Traffic Gong								
Not Accessible	100%							
Traffic Sign								
Fixed	100%			2029				
Traffic Signal								
Not Accessible	100%							
Lighting								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**MACOMBS DAM BRIDGE E.155 ST./HARLEM RIVER**

**Asset # : 4180**

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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								
Lighting Devices								
Generic	40%	Now	\$1,000	2033		**		
	<i>Other Observation, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Center Pier</i>							
	<i>Explanation : Incandescent Fender Lighting, Two Pier Lights Out</i>							
Generic	10%	Now	\$600	2033		**		
	<i>Other Observation, Extent : Light, Area Affected : 20%</i>							
	<i>Location : East Pier</i>							
	<i>Explanation : Incandescent Pier Lighting, One Pier Light Out</i>							
Generic	50%			2034		**		

<b>Bridge Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Swing								
Center Latch								
Generic	100%	Now	\$37,800	2057		**	2	\$18,000
	<i>Other Observation, Extent : Moderate, Area Affected : 1%</i>							
	<i>Location : East And West</i>							
	<i>Explanation : Could Not Be Tested. Operation Reported To Be Problematic. Repairs Needed.</i>							
Center Pivot								
Generic	100%			2057		**	2	\$67,400
	<i>Other Observation, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Center Pivot Pier</i>							
	<i>Explanation : (Rim Bearing) Minor Corrosion. Could Not Be Tested.</i>							
Emergency Drive								
Emergency Power	100%			2057		**	2	\$44,900
	<i>Other Observation, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Swing Span Machinery Room</i>							
	<i>Explanation : Operation Was Not Observed. Emergency Drive Reported To Have Last Been Tested Recently.</i>							
End Lift								
Generic	100%	Now	\$22,400	2057		**	2	\$35,900
	<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : East And West Rest Piers</i>							
	<i>Explanation : Corrosion, Operation Reported To Problematic. Could Not Be Tested. Some Adjustments Required.</i>							
Fuel Tanks								
Generic	100%			2042		**		

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

**DEPARTMENT OF TRANSPORTATION - 841  
MACOMBS DAM BRIDGE E.155 ST./HARLEM RIVER**

**Asset # : 4180**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Swing Houses								
Access Ways	100%	Now	\$9,800	2057				**
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Swing Span Access Hatches</i>								
<i>Explanation : Hatch Locks Need Maintenance</i>								
Control House	100%	Now	\$5,300	2057				**
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Control House</i>								
<i>Explanation : Door Lock Operation Problematic.</i>								
Machinery Room	100%			2057				**
Main Drive System								
Generic	100%	Now	\$300,200	2057		2	\$179,600	**
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Operating Machinery</i>								
<i>Explanation : Corrosion, Lube On Brakewheel. Could Not Be Tested Due To Lube System Failure. Repairs Needed.</i>								
Structural Bearings								
Generic	100%			2038				**
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : East And West Rest Piers</i>								
<i>Explanation : Minor Corrosion And Debris. Three Open Bolt Holes At Back Of Each Base.</i>								
Traffic Devices								
Barrier Gate	100%	Now	\$22,700	2038				**
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : East And West Approaches</i>								
<i>Explanation : Missing Locking Arms, One Gate Operation Problematic. Could Not Be Tested. Some Guy Wire May Need Adjustment.</i>								
Warning Gate	50%	Now	\$14,100	2038				**
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Pedestrian Gates</i>								
<i>Explanation : One Pedestrian Gate Not Working, Stuck In Closed Position. Pedestrian Gate Arms Not Installed. Could Not Be Tested.</i>								
Warning Gate	50%	Now	\$2,800	2038				**
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Warning Gates</i>								
<i>Explanation : Could Not Be Tested. Guy Wire Adjustment May Be Required. One Gate Operation Reported To Be Problematic.</i>								

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : MADISON AVE. BRIDGE MADISON AVE. BRIDGE/HARLEM RIVER  
**Address** : HARLEM RIVER, HARLEM RIV DR.  
**Borough** : MANHATTAN:BX. **Agency's Number** : N/A  
**Program / Asset #** : DOT0042.090 / 4209 **Yr Built/Renovated** : 1907 / 2004  
**Area Sq Ft** : 69,800 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 29-May-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240079

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$184,200	\$1,573,100
Bridge Electrical		\$243,500
Bridge Mechanical	\$583,400	\$1,788,800
<b>Total</b>	<b>\$767,600</b>	<b>\$3,605,400</b>
Importance Code A		\$350,300
Importance Code B	\$583,400	\$2,351,900
Importance Code C	\$184,200	\$903,200
<b>Total</b>	<b>\$767,600</b>	<b>\$3,605,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$17,400	\$2,700	\$68,000	\$28,100
Bridge Electrical	\$41,200	\$3,900	\$3,900	\$45,400
Bridge Mechanical	\$54,700		\$71,800	
<b>Total</b>	<b>\$113,200</b>	<b>\$6,600</b>	<b>\$143,700</b>	<b>\$73,500</b>
Importance Code A	\$1,200		\$35,900	
Importance Code B	\$108,100	\$3,900	\$107,800	\$45,400
Importance Code C	\$3,900	\$2,700		\$28,100
<b>Total</b>	<b>\$113,200</b>	<b>\$6,600</b>	<b>\$143,700</b>	<b>\$73,500</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**MADISON AVE. BRIDGE MADISON AVE. BRIDGE/HARLEM RIVER**  
**Asset # : 4209**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Concrete	100%			LIFE	**			
Backwall								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2051	**			
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	90%			LIFE	**			
Generic	10%	0-2	\$1,000	LIFE	**			
<i>Leakage, Extent : Light, Area Affected : 20%</i>								
<i>Location : Begin And End Abutment</i>								
<i>Missing/Damaged Seal, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Begin Abutment Joint</i>								
Pedestals								
Concrete	100%			LIFE	**			
Stem (breastwall)								
Concrete	100%			LIFE	**			
Walls								
Concrete	100%			LIFE	**			
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Wingwalls</i>								
<i>Explanation : Beginning Wingwall Only. End Approach Has No Wingwall</i>								
<b>Feature Crossed</b>								
Bank Protection								
Concrete	100%			LIFE	**			
Riprap	100%			LIFE	**			
Timber	100%			2030	**			
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	100%			LIFE	**			
<b>Approaches</b>								
Pavement								
Asphalt	100%			2029	\$164,500	4	\$8,100	
Concrete	100%			2038	**	4		
Curbs								
Concrete	100%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**MADISON AVE. BRIDGE MADISON AVE. BRIDGE/HARLEM RIVER**

**Asset # : 4209**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Guide Railing								
Steel	100%	Now	\$1,200	LIFE	**	2-8	\$11,700	
<i>Damaged Railing, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : End Approach Left (North) Side.</i>								
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$252,300	
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$301,600	
Stem,Solid Pier								
Concrete	100%			LIFE	**			
Masonry	99%			LIFE	**			
Masonry	1%	2-4	\$100	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Pier 12</i>								
<i>Explanation : Masonry Stone Displaced.</i>								
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2051	**			
Steel	100%			LIFE	**	2-8	\$6,200	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%	0-2	\$11,100	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Piers 12 And 14.</i>								
Deck Elements								
Gratings								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 13 And 14</i>								
<i>Explanation : Spans 13 And 14</i>								
Guide Railing								
Concrete	100%			2045	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1 - 12 And 15 - 21.</i>								
<i>Explanation : Concrete Guide Railings Both Sides.</i>								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 13 And 14.</i>								
<i>Explanation : Swing Span.</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**MADISON AVE. BRIDGE MADISON AVE. BRIDGE/HARLEM RIVER**

**Asset # : 4209**

Bridge Structure		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>Deck Elements</b>								
<b>Median</b>								
Concrete	100%			LIFE	**	5	\$5,600	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 8 - 12 And 15 - 21.</i>								
<i>Explanation : Concrete Median.</i>								
Steel	100%			LIFE	**	4-8	\$27,500	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 13 And 14</i>								
<i>Explanation : Swing Spans</i>								
<b>Railings/Parapets</b>								
Steel	78%			LIFE	**	2-8	\$40,300	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 8 - 21</i>								
<i>Explanation : Pipe Railing And Chain-link Fence On Both Sides</i>								
Steel	22%			LIFE	**	2-8	\$40,300	
<i>Other Observation, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Spans 1 - 7.</i>								
<i>Explanation : Pipe Railing And Chain-link Fence On One Side Only.</i>								
<b>Sidewalks</b>								
Concrete	78%			2033	**	5	\$28,100	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 8 - 21</i>								
<i>Explanation : Concrete Sidewalk On Both Sides.</i>								
Concrete	22%			2033	**	5	\$28,100	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1 - 7.</i>								
<i>Explanation : Concrete Sidewalk On One Side Only.</i>								
Grating w/ Concrete	100%			2051	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 13 And 14.</i>								
<i>Explanation : Swing Span</i>								
<b>Wearing Surface</b>								
Asphalt	100%			2029	\$469,800	5	\$84,700	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1 - 12 (Both Sides) And 15 - 21 (Left Side)</i>								
<i>Explanation : Asphalt Wearing Surface.</i>								
Concrete	100%			2038	**	5	\$368,400	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 15 - 21 (Right Side Only)</i>								
<i>Explanation : Concrete Wearing Surface.</i>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	100%			LIFE	**	5	\$23,900	
Grating w/ Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 13 And 14.</i>								
<i>Explanation : Swing Span.</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**MADISON AVE. BRIDGE MADISON AVE. BRIDGE/HARLEM RIVER**

**Asset # : 4209**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Joints								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 12 And 14.</i>								
<i>Explanation : Steel Joint.</i>								
Generic	80%			LIFE	**			
Generic	20%	0-2	\$3,900	LIFE	**			
<i>Leakage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Piers 3, 9, 11 And 18.</i>								
Primary Member								
Steel	100%			LIFE	**	2-8	\$401,200	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$336,100	
Movable Bridges								
Swing Span Truss								
Steel	100%			LIFE	**			
Swing Span Pivot Pier								
Concrete	100%			LIFE	**			

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Intercom								
Generic	100%	Now	\$11,300	2023	\$18,900			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Entire Bridge</i>								
<i>Explanation : Intercom System Is Not Functioning</i>								
Control System Electrical								
Computer								
PLC	50%			2024	\$12,900			
PLC	50%			2024	\$12,900			
Control Console								
Stainless Steel	50%			LIFE	**			
Stainless Steel	50%			LIFE	**			
Control Devices								
Relay	100%			2042	**			
Disconnect Switch								
Generic	100%			2042	**			
Limit Switch								
Generic	100%	0-2	\$1,600	2038	**			
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Center End Lift</i>								
<i>Explanation : Rotary Limit Switch Missing Cover Allow Severe Corrosion.</i>								
Local Starter								
Magnetic	100%			2042	**			

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**DEPARTMENT OF TRANSPORTATION - 841**  
**MADISON AVE. BRIDGE MADISON AVE. BRIDGE/HARLEM RIVER**  
**Asset # : 4209**

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Drive								
Machinery Brake Thruster	100%			2045	**	1	\$600	
Motor Brake Thruster	100%			2045	**	1	\$1,100	
Span Lock Motor Generic	100%			2051	**			
Wedge Motor Generic	100%			2051	**	1	\$1,100	
Electrical Power								
MCC								
Generic	100%	Now	\$5,700	2042	**			
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Center Pier Mcc</i>								
<i>Explanation : End Lifts Do Not Disengage. Due To This The Bridge Will Not Open.</i>								
Panelboard								
Circuit Breaker	100%			2042	**	1	\$6,700	
Service Equipment Circuit Breaker	100%			2042	**			
Transfer Switch Auto	100%			2042	**			
Transformer Dry	100%			2042	**			
Exterior Lighting								
Lighting Contactor Generic	100%			2042	**	1	\$5,600	
Lighting Fixture HID	100%			2024			\$26,000	
Pole								
Aluminum	100%			2029			\$31,600	
Interior Lighting								
Lighting Fixture Fluorescent	100%	Now	\$200	2029	\$3,400	1	\$5,000	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various</i>								
<i>Explanation : Service Lighting Needs Relamping Or Ballast Replacement.</i>								
Wiring Device Generic	100%			2033	**			
Navigation Lighting								
Fender Lighting Incandescent	100%	Now	\$500	2023	\$9,200	1	\$3,000	
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Center Pier</i>								
<i>Explanation : North Tip And Center East Navigation Lights Out.</i>								
Pier Lighting Incandescent	100%			2023	\$6,100	1	\$4,500	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**MADISON AVE. BRIDGE MADISON AVE. BRIDGE/HARLEM RIVER**  
**Asset # : 4209**

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Navigation Lighting								
Span Lighting								
Incandescent	100%	Now	\$3,600	2023	\$7,300	1	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various</i>								
<i>Explanation : Various Service Lighting Fixtures Are Out. Need Relamping.</i>								
Raceway								
Box								
Pull Junction	100%	Now	\$200	2030	**	1	\$3,500	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Machine Room</i>								
<i>Explanation : Pull Box For Grounding Transformers Is Corroded And Latches Do Not Close.</i>								
Collector Ring								
Metal	100%			2033	**			
Conduit								
Metal	100%			2060	**			
Submarine Control Cables								
Generic	100%			2029				
Submarine Power Cable								
Power	100%			2029	\$34,200			
Trough								
Metal	100%			2060	**	1	\$1,100	
Wires								
Thermoplastic	100%			2042	**			
Span Lock								
Motor								
Squirrel Cage	100%			2038	**			
Traffic System Electrical								
Barrier Gate Lighting								
Incandescent	100%			2020	\$15,100	1	\$1,100	
Traffic Gate Lighting								
Incandescent	100%	Now	\$800	2024	\$15,100	1	\$1,000	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Sw Warning Gate</i>								
<i>Explanation : 3 Arm Lights Broken</i>								
Traffic Gong								
Generic	100%			2024	\$15,900	1	\$600	
Traffic Signal								
Generic	100%			2024	\$243,500	1	\$600	

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

Swing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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**DEPARTMENT OF TRANSPORTATION - 841**  
**MADISON AVE. BRIDGE MADISON AVE. BRIDGE/HARLEM RIVER**  
**Asset # : 4209**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Swing								
Center Latch Generic	100%	Now	\$27,800	2028	\$139,200	2	\$18,000	
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Center Latches</i>								
<i>Explanation : No Operation Observed. Cracks In Bar Housing.</i>								
Center Pivot Generic	100%	0-2	\$181,800	2040	**	2	\$53,900	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Center Pivot Pier</i>								
<i>Explanation : No Operation Observed. Some Corrosion. Difficult To Access Interior.</i>								
End Lift Generic	100%	Now	\$233,700	2040	**	2	\$35,900	
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : End Lifts</i>								
<i>Explanation : End Lifts Do Not Function Properly. Limit Switches And Couplings Are In Poor Condition.</i>								
Houses								
Access Ways	100%	Now	\$69,800	2040	**			
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Accessways And Fender Decking</i>								
<i>Explanation : Corroded Grating And Supports. Some Nails Are Popping Out Of Boards Around The Pier. Missing Pinion Platform</i>								
Control House	100%	Now	\$17,400	2040	**			
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Control House</i>								
<i>Explanation : No Heat Or Ac</i>								
Main Drive System Generic	100%	Now	\$53,400	2028	\$1,068,700	2	\$179,600	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Drive Machinery</i>								
<i>Explanation : Bridge Could Not Be Operated. Some Corrosion. Some Rack Nuts Not Seated.</i>								
Structural Bearings Generic	100%	0-2	\$44,700	2028	\$111,600			
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Rest Piers</i>								
<i>Explanation : Grout Pads Are Deteriorating</i>								
Traffic Devices								
Barrier Gate	100%	Now	\$7,500	2028	\$374,700			
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : One Missing Gate Arm Buffer Stand. Some Corrosion</i>								
Warning Gate	100%	Now	\$1,900	2028	\$94,600			
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Warning Gates</i>								
<i>Explanation : One Missing Gate Arm Buffer Stand. Some Corrosion</i>								

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : MILL BASIN BRIDGE BELT SHORE PKWY/MILL BASIN  
**Address** : BSP X-ING MILL BASIN  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0022.090 / 4318 **Yr Built/Renovated** : 1941 /  
**Area Sq Ft** : 73,525 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 24-Apr-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231479

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$42,612,100	\$6,265,500
Bridge Electrical	\$2,168,100	\$1,197,000
Bridge Mechanical	\$3,250,700	\$4,449,800
<b>Total</b>	<b>\$48,031,000</b>	<b>\$11,912,300</b>
Importance Code A	\$38,490,400	\$1,663,300
Importance Code B	\$8,586,600	\$8,970,000
Importance Code C	\$954,000	\$1,279,000
<b>Total</b>	<b>\$48,031,000</b>	<b>\$11,912,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$92,300		\$296,600	
Bridge Electrical	\$63,800	\$600	\$600	\$31,300
Bridge Mechanical	\$52,300			
<b>Total</b>	<b>\$208,400</b>	<b>\$600</b>	<b>\$297,100</b>	<b>\$31,300</b>
Importance Code A	\$45,900		\$150,600	
Importance Code B	\$159,100	\$600	\$146,500	\$31,300
Importance Code C	\$3,400			
<b>Total</b>	<b>\$208,400</b>	<b>\$600</b>	<b>\$297,100</b>	<b>\$31,300</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**MILL BASIN BRIDGE BELT SHORE PKWY/MILL BASIN**

**Asset # : 4318**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%	Now	\$11,900	LIFE			**	
		<i>Erosion, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : Both Beginning And End Abutments</i>						
Stem (breastwall)								
Concrete	100%	4+	\$457,600	LIFE			**	
		<i>Cracks, Extent : Severe, Area Affected : 40%</i>						
		<i>Location : End Abutment</i>						
		<i>Delaminations, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : End Abutment</i>						
		<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : End Abutment</i>						
		<i>Spalling, Extent : Light, Area Affected : 5%</i>						
		<i>Location : End Abutment</i>						
Walls								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Riprap	100%	4+	\$268,400	LIFE			**	
		<i>Erosion, Extent : Severe, Area Affected : 20%</i>						
		<i>Location : At All Four Wingwalls</i>						
Piles								
Not Accessible	100%							
Walls								
Concrete	100%	4+	\$77,400	LIFE			**	
		<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Random Locations At The End South Wingwall</i>						
		<i>Delaminations, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations At All Wingwalls</i>						
Feature Crossed								
Mat (scour & erosion)								
Earth	100%	Now	\$60,500	LIFE			**	
		<i>Erosion, Extent : Severe, Area Affected : 15%</i>						
		<i>Location : Pier 2 South Side</i>						
Stream Bed	100%			LIFE			**	
Pier Protection								
Timber	100%			LIFE			**	
Approaches								
Pavement								
Asphalt	100%	4+	\$59,300	2025	\$296,500	4	\$9,700	
		<i>Cracks, Extent : Moderate, Area Affected : 15%</i>						
		<i>Location : Both Approaches</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**MILL BASIN BRIDGE BELT SHORE PKWY/MILL BASIN**

**Asset # : 4318**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Curbs								
Concrete	100%	Now	\$16,700	LIFE			**	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Both Approaches</i>								
<i>Cracks, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Both Approaches</i>								
<i>Settlement, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Both Approaches</i>								
Embankment								
Earth	100%	2-4	\$1,000	LIFE			**	
<i>Erosion, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Both Approaches</i>								
Guide Railing								
Steel	50%	Now	\$1,500	LIFE		**	2-8	\$5,800
<i>Damaged Railing, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Beginning Approach South Side And Median</i>								
Steel	50%	Now	\$700	LIFE		**	2-8	\$5,800
<i>Damaged Railing, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : End Approach South Side</i>								
Pavement Base								
Not Accessible	100%							
Sidewalks								
Asphalt	100%	2-4	\$2,400	2025	\$12,100	4		\$800
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : End Approach South Side</i>								
Piers								
Cap Beam								
Concrete	60%	2-4	\$501,300	LIFE			**	
<i>Delaminations, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Piers 3, 4, 5, 10, 11 And 13</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Piers 3, 4, 5, 10, 11 And 13</i>								
Concrete	40%			LIFE			**	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**MILL BASIN BRIDGE BELT SHORE PKWY/MILL BASIN**

**Asset # : 4318**

Bridge Structure		Current 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>Piers</b>								
Pier,Columns								
Concrete	44%			LIFE				**
Concrete	33%	4+	\$2,014,400	LIFE				**
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : All Piers</i>								
<i>Delaminations, Extent : Light, Area Affected : 20%</i>								
<i>Location : All Piers</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 20%</i>								
<i>Location : All Piers</i>								
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : All Piers</i>								
Concrete	23%	0-2	\$351,000	LIFE				**
<i>Cracks, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Piers 3 And 11</i>								
<i>Delaminations, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Piers 3 And 11</i>								
<hr/>								
Stem,Solid Pier								
Concrete	25%	4+	\$297,300	LIFE				**
<i>Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Piers 2 And 12</i>								
<i>Delaminations, Extent : Light, Area Affected : 10%</i>								
<i>Location : Piers 2 And 12</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Piers 2 And 12</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Piers 2 And 12</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Piers 2 And 12</i>								
Concrete	75%			LIFE				**
<hr/>								
Brngs,Ancr Blts,Pads								
Steel	100%	2-4	\$2,317,800	LIFE		**	2-8	\$40,300
<i>Corrosion, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Piers 2, 3, 4, 5, 10, 11 And 12</i>								
<hr/>								
Footings								
Not Accessible	100%							
<hr/>								
Mat (scour & erosion)								
Riprap	100%	4+	\$3,200	LIFE				**
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 2 And 12</i>								
<i>Explanation : Solid Stem Pier</i>								
<hr/>								
Pedestals								
Concrete	100%	4+	\$26,000	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Pier 11</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Piers 2 And 11</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**MILL BASIN BRIDGE BELT SHORE PKWY/MILL BASIN**

**Asset # : 4318**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements								
Curbs								
Concrete	100%	Now	\$3,947,300	2044	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Spans 9, 10, 11, 12, 13 And 14 North Side</i>								
Steel	100%			LIFE	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Spans 9 - 14 On The South Side</i>								
Median								
Concrete	100%	4+	\$80,400	LIFE	**	5	\$3,300	
<i>Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Span 3, 4, 5, 7, 9, 10, 11, 12, 13 And 14</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Span 3, 4, 5, 7, 9, 10, 11, 12, 13 And 14</i>								
Steel	30%	4+	\$18,200	LIFE	**	4-8	\$26,500	
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Spans</i>								
Steel	70%			LIFE	**	4-8	\$26,500	
Railings/Parapets								
Steel	10%	4+	\$5,500	LIFE	**	2-8	\$36,800	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Span 7</i>								
<i>Damaged Railing, Extent : Light, Area Affected : 5%</i>								
<i>Location : Span 9</i>								
Steel	90%			LIFE	**	2-8	\$36,800	
Sidewalks								
Concrete	40%	4+	\$49,500	2029	\$247,700	5	\$10,400	
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Spans</i>								
Concrete	30%	0-2	\$111,400	2032	**	5	\$10,400	
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Spans</i>								
Concrete	30%	Now	\$111,400	2029	\$185,700	5	\$10,400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Spans 3, 6, 9, 10, 11, 12, 13 And 14</i>								
<i>Spalling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Spans 3, 6, 9, 10, 11, 12, 13 And 14</i>								
Steel	100%			2054	**	2-8		
<i>Recent Replace Evident, Extent : Light, Area Affected : 25%</i>								
<i>Location : Spans 9, 10, 11, 12, 13, And 14 On The Right Sidewalk</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**MILL BASIN BRIDGE BELT SHORE PKWY/MILL BASIN**

**Asset # : 4318**

Bridge Structure		Current 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>Deck Elements</b>								
Wearing Surface Asphalt	50%	0-2	\$93,100	2025	\$232,600	5	\$42,000	
			<i>Cracks, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Random Spans</i>					
			<i>Settlement, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Span 14</i>					
			<i>Spalling, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Random Spans</i>					
Asphalt	50%	2-4	\$69,800	2025	\$232,600	5	\$42,000	
			<i>Cracks, Extent : Moderate, Area Affected : 25%</i>					
			<i>Location : Random Spans</i>					
			<i>Spalling, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Random Spans</i>					
<b>Superstructure</b>								
Deck, Structural Concrete	90%	4+	\$2,742,500	LIFE	**	5	\$72,800	
			<i>Cracks, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Spans 1, 2, 3, 4, 5, 6, 7, 9, 11, 12, 13 And 14</i>					
			<i>Delaminations, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Spans</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Random Spans</i>					
			<i>Spalling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Spans</i>					
Concrete	10%	Now	\$60,900	LIFE	**	5	\$72,800	
			<i>Other Observation, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : Span 10</i>					
			<i>Explanation : 6 Feet x 7 Feet Hole In The Deck</i>					
<b>Joints</b>								
Generic	100%	Now	\$113,700	LIFE	**			
			<i>Leakage, Extent : Severe, Area Affected : 50%</i>					
			<i>Location : Piers 2, 3, 4, 5, 10, 11 And 12</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Piers 2, 3, 4, 5, 10, 11 And 12</i>					
			<i>Explanation : Joints Paved Over</i>					

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**DEPARTMENT OF TRANSPORTATION - 841**  
**MILL BASIN BRIDGE BELT SHORE PKWY/MILL BASIN**

**Asset # : 4318**

Bridge Structure		Current 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>Superstructure</b>								
<b>Primary Member</b>								
Concrete	100%	4+	\$2,921,600	LIFE	**	5	\$38,600	
<i>Cracks, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Spans 13 And 14</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Spans 1, 2, 13 And 14</i>								
Steel	25%	4+	\$14,088,300	LIFE	**	2-8	\$1,358,800	
<i>Corrosion, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Spans 3, 4, 9, 10 And 11</i>								
<i>Loss of Section, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Spans 3, 4, 9, 10 And 11</i>								
Steel	75%			LIFE	**	2-8	\$1,358,800	
<b>Secondary Member</b>								
Concrete	90%			LIFE	**	5	\$933,900	
Concrete	10%	2-4	\$5,100	LIFE	**	5	\$933,900	
<i>Spalling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Spans 1 And 14</i>								
Steel	90%			LIFE	**	2-8	\$1,138,600	
Steel	10%	4+	\$47,500	LIFE	**	2-8	\$1,138,600	
<i>Corrosion, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Span 7</i>								
<b>Movable Bridges</b>								
<b>Bascule Span</b>								
Steel	100%	4+	\$11,554,800	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bascule Span 8</i>								
<i>Explanation : Corrosion On Steel And Counterweight Deterioration</i>								
<b>Bascule Span Pier</b>								
Concrete	10%	4+	\$215,100	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bascule Piers 7 And 8</i>								
<i>Explanation : Concrete Deterioration</i>								
Concrete	90%			LIFE	**			

Bridge Electrical		Current 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>Communication Electrical</b>								
<b>Communications</b>								
Generic	100%	Now	\$36,100	2024	\$36,100			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Operators Room</i>								
<i>Explanation : Land Line Desktop Phone Not Functioning</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**MILL BASIN BRIDGE BELT SHORE PKWY/MILL BASIN**

**Asset # : 4318**

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Intercom								
Generic	100%	Now	\$15,000	2024	\$15,000			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Entire Bridge</i>								
<i>Explanation : Public Address System Broken And Missing Parts</i>								
Control System Electrical								
Control Console								
Metal	100%	Now	\$7,600	2041			**	
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Control Console</i>								
<i>Explanation : Position Indicators Inoperative</i>								
Control Devices								
Relay	100%			2029	\$25,700			
Disconnect Switch								
Non Fused	100%			2029				
Limit Switch								
Lever	100%			2020				
Plunger	100%			2020				
Generic	100%			2029	\$52,400			
Drive								
Machinery Brake								
Thruster	100%			2044			**	
Motor Brake								
Thruster	100%	0-2	\$64,500	2044			**	
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Machinery Room</i>								
<i>Explanation : Emergency Brakes</i>								
Span Lock Motor								
Generic	100%			2034			**	
Electrical Power								
MCC								
Contactors	100%			2037			**	
Panelboard								
Circuit Breaker	100%			2029				
Service Equipment								
Circuit Breaker	100%			2037			**	
Transfer Switch								
Manual	100%			2037			**	
Exterior Lighting								
Lighting Contactor								
Generic	100%			2029		1	\$5,600	
Lighting Fixture								
HID	100%			2022				
Pole								
Aluminum	100%			2025				
Interior Lighting								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**MILL BASIN BRIDGE BELT SHORE PKWY/MILL BASIN**

**Asset # : 4318**

Bridge Electrical		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 Lighting								
	Lighting Fixture							
	Fluorescent	100%	Now	\$1,000	2028	\$3,400		
		<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Explanation : Service Lighting Fixtures Are Inoperable</i>						
	HID	100%	Now	\$1,400	2028	\$3,400		
		<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Lighting Fixtures Throughout Bridge Are Broken</i>						
	Incandescent	100%	4+	\$700	2024	\$3,400		
		<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Explanation : Lighting Fixtures Broken</i>						
	Wiring Device							
	Generic	100%			2032			* *
Navigation Lighting								
	Fender Lighting							
	Incandescent	100%	Now	\$19,200	2024	\$19,200		
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Fender Area</i>						
		<i>Explanation : Inoperable Navigation Lights</i>						
	Span Lighting							
	Incandescent	100%	0-2	\$15,400	2023	\$30,800		
		<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Center Of Span</i>						
		<i>Explanation : 2 Of 4 Span Navigation Lights Are Inoperable</i>						
Power Over 600V								
	Transformer							
	Oil	100%			2022			
Raceway								
	Communications							
	Twisted Shielded pair	100%			2020			
	Conduit							
	Metal	100%	4+	\$530,500	2064			* *
		<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Explanation : Conduits Completely Corroded In Some Locations</i>						
	Submarine Control Cables							
	Control	100%			2020			
	Submarine Power Cable							
	Power	100%			2022			
	Trough							
	Metal	100%			2039			* *
	Wires							
	Rubber	100%	0-2	\$185,100	2044			* *
		<i>Other Observation, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Explanation : Conductors Get Wet Due To Corroding Conduit And Junction Boxes.</i>						

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**DEPARTMENT OF TRANSPORTATION - 841**  
**MILL BASIN BRIDGE BELT SHORE PKWY/MILL BASIN**

**Asset # : 4318**

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Raceway								
Wiring								
Generic	100%	Now	\$1,108,500	2029	\$1,108,500			
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Pull Boxes Corroded And Not Providing Protection</i>								
Span Lock								
Motor								
Squirrel Cage	100%			2027				
Traffic System Electrical								
Traffic Gate Lighting								
Incandescent	100%			2020				
Traffic Gong								
Generic	100%	Now	\$3,000	2024	\$3,000			
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Warning Gates/ Bridge Approach</i>								
<i>Explanation : Traffic Gong Not Working</i>								
Traffic Signal								
Generic	100%			2022	\$243,500			
<b>Bridge Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Bascule								
Counter Weight								
Generic	100%	2-4	\$553,800	2052		**		
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Underside Of Counterweights</i>								
<i>Explanation : Spalling Concrete And Exposed Re-bar On Both Counterweights.</i>								
Emergency Drive								
Emergency Power								
	50%	Now	\$36,200	2039		**		
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : North Leaf</i>								
<i>Explanation : Corroded Motor Coupling And The Brake Thrustor Is Leaking. System Could Not Be Tested.</i>								
Emergency Power								
	50%	Now	\$36,200	2039		**		
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : South Leaf</i>								
<i>Explanation : Components And Linkage Corroded, System Could Not Be Tested.</i>								
Fuel Tanks								
Generic								
	100%	Now	\$4,100	2029	\$8,100			
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Control House</i>								
<i>Explanation : One Of Two Tanks Leaking In Past. Now Bypassed And Only One Tank Being Used. Tank Used Has Corrosion.</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**MILL BASIN BRIDGE BELT SHORE PKWY/MILL BASIN**

**Asset # : 4318**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Bascule								
Houses								
Access Ways	100%	Now	\$58,000	2027	\$193,300			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Access Ways</i>								
<i>Explanation : Some Areas Of Corroded Grating. Some Repairs Required To Doors And Grating.</i>								
Control House	100%	Now	\$106,700	2039		* *		
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Control House</i>								
<i>Explanation : Windows And Doors Need Repair.</i>								
Machinery Room	100%	Now	\$46,100	2039		* *		
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : South And North Machinery Rooms</i>								
<i>Explanation : Some Doors And Locks Need Repair.</i>								
Lock Bars								
With Motor	100%	Now	\$294,600	2033		* *		
<i>Other Observation, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Span Lock Machinery Components</i>								
<i>Explanation : Corrosion And Limited Lubrication. Broken Hanger Reported. No Shaft Extension Covers. Some Repairs Required.</i>								
Main Drive System								
Generic	100%	2-4	\$1,961,800	2039		* *		
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Drive Machinery</i>								
<i>Explanation : Machinery Components Has Areas Of Moderate To Heavy Corrosion. Some Repairs/ Rehabilitation To Machinery Required.</i>								
Rack								
Generic	100%	0-2	\$22,200	2027	\$1,108,700			
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Racks</i>								
<i>Explanation : Some Surface Corrosion Observed On Teeth.</i>								
Structural Bearings								
Generic	100%	Now	\$1,200	2020	\$11,900			
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Live Load Bearings</i>								
<i>Explanation : Live Load Bearings Could Not Be Directly Accessed. From Shore, Corrosion Noted. Adjustment May Be Required.</i>								
Traffic Devices								
Warning Gate	100%	Now	\$12,900	2037		* *		
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Traffic Gates</i>								
<i>Explanation : One Gate Has Broken Anchor Bolt. Some Gates Are Missing Locks.</i>								
Trunnion								
Generic	100%	Now	\$157,400	2027	\$3,147,700			
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Trunnion Assemblies</i>								
<i>Explanation : Corrosion On Trunnion Assembly Components.</i>								

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

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : NINTH STREET BRIDGE NINTH ST. BRIDGE/GOWANUS CANAL  
**Address** : SMITH STREET AND 2ND. AVENUE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0149.000 / 13512 **Yr Built/Renovated** : 1999 /  
**Area Sq Ft** : 4,800 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 25-Apr-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240240

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Electrical	\$90,400	\$1,186,300
Bridge Mechanical	\$511,600	
<b>Total</b>	<b>\$602,000</b>	<b>\$1,186,300</b>
Importance Code B	\$602,000	\$1,186,300
<b>Total</b>	<b>\$602,000</b>	<b>\$1,186,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$20,600			\$6,800
Bridge Electrical	\$88,700		\$25,800	
Bridge Mechanical	\$41,700			
<b>Total</b>	<b>\$151,000</b>		<b>\$25,800</b>	<b>\$6,800</b>
Importance Code A	\$12,900			
Importance Code B	\$130,400		\$25,800	
Importance Code C	\$7,700			\$6,800
<b>Total</b>	<b>\$151,000</b>		<b>\$25,800</b>	<b>\$6,800</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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**DEPARTMENT OF TRANSPORTATION - 841**  
**NINTH STREET BRIDGE NINTH ST. BRIDGE/GOWANUS CANAL**

**Asset # : 13512**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Footings								
Not Accessible	100%							
Stem (breastwall)								
Concrete	100%			LIFE	**			
Feature Crossed								
Bank Protection								
Sheet Piling	100%			LIFE	**			
Timber	100%	2-4	\$7,700	2032	**			
		<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>						
		<i>Location : South Of Pier 1</i>						
		<i>Rotted, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : South Of Pier 1</i>						
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	100%			LIFE	**			
		<i>Split/Dry/Cracked, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Timber Protection At Begin Vertical Lift Pier</i>						
Approaches								
Pavement								
Concrete	100%			2039	**	4	\$13,500	
		<i>Cracks, Extent : Moderate, Area Affected : 2%</i>						
		<i>Location : Beginning And End Approaches</i>						
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Sidewalks								
Concrete	100%			LIFE	**			
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Sidewalks								
Concrete	100%			2034	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 1 And 3</i>						
		<i>Explanation : Sidewalk Is In Good Condition</i>						
Wearing Surface								
Asphalt	100%			2029		5		
Superstructure								
Primary Member								
Concrete	100%			LIFE	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 1 And 3</i>						
		<i>Explanation : Concrete Deck</i>						
Movable Bridges								
Vertical Lift Span								
Steel	100%			LIFE	**			

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**DEPARTMENT OF TRANSPORTATION - 841**  
**NINTH STREET BRIDGE NINTH ST. BRIDGE/GOWANUS CANAL**

**Asset # : 13512**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Movable Bridges								
Vertical Lift Tower								
Steel	5%	Now	\$12,900	LIFE		**		
<i>Other Observation, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Begin Vertical Lift Pier 1, North Bearing</i>								
<i>Explanation : North Side Rocker Bearing Tilted Approximately 45 Degrees</i>								
Steel	95%			LIFE		**		
Vertical Lift Pier								
Concrete	100%			LIFE		**		
<b>Bridge Electrical</b>								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Communications								
Generic	100%	Now	\$21,700	2022	\$36,100			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Entire Bridge</i>								
<i>Explanation : CCTV, Fire Alarm, Security System, Public Address Not Functioning</i>								
Control System Electrical								
Computer								
PLC	100%	Now	\$15,500	2022	\$25,800			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Bridge Operates Under Half Speed- Otherwise It Goes Out Of Skew. East Height Indicator Broken.</i>								
Control Console								
Stainless Steel	100%	Now	\$9,600	LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Plc User Console</i>								
<i>Explanation : Alarm Printer Not Functioning</i>								
Disconnect Switch								
Generic	100%			2044		**		
Limit Switch								
Generic	100%			2044		**		
Electrical Power								
Transfer Switch								
Auto	100%	Now	\$20,500	2044		**		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Transfer Switch Not Working, Only Stays On Primary Power.</i>								
Heating								
Generic	100%			2044		**		

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**DEPARTMENT OF TRANSPORTATION - 841**  
**NINTH STREET BRIDGE NINTH ST. BRIDGE/GOWANUS CANAL**

**Asset # : 13512**

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Electrical Power								
Dist Equip & Motor Controll								
Generic	1%	Now	\$11,500	2044		**		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Bridge Control System/ Motor Controllers</i>								
<i>Explanation : Bridge Operators Are Told To Run Bridge In Reduced Speed To Avoid Skew And Not To Fully Open To Avoid Skew</i>								
Generic	99%			2044		**		
Navigation Lighting								
Pier Lighting								
Incandescent	100%			2023				
Span Lighting								
Incandescent	100%			2023				
Raceway								
Conduit								
Metal	100%			2064		**		
Submarine Control Cables								
Not Accessible	100%							
Submarine Power Cable								
Not Accessible	100%							
Wiring								
Generic	100%	Now	\$54,300	2029	\$1,086,700			
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Control Cabinets</i>								
<i>Explanation : Not All Conductors And Conduits Are Grounded</i>								
Stand-by Power								
Generator								
Natural Gas	100%			2044		**		
Lighting								
Lighting Devices								
Generic	100%	Now	\$10,000	2029	\$99,500			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Light Fixtures Throughout Bridge</i>								
<i>Explanation : Light Bulbs Out</i>								

<b>Bridge Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Vertical Lift								
Counter Weight Ropes & Gu								
Generic	100%	Now	\$8,800	2059		**		
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Cwt Guides</i>								
<i>Explanation : Minor Corrosion On Guide Fasteners.</i>								
Counter Weight								
Main CTRWT	100%			2059		**		

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**DEPARTMENT OF TRANSPORTATION - 841**  
**NINTH STREET BRIDGE NINTH ST. BRIDGE/GOWANUS CANAL**

**Asset # : 13512**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Vertical Lift								
Emergency Drive Emergency Power	100%			2052		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Machine Rooms And At Roadway Level</i>								
<i>Explanation : System Could Not Be Tested.</i>								
End Locks								
With Motor	100%	Now	\$364,800	2052		**		
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Lock Machinery</i>								
<i>Explanation : All Locks Are Currently Kept In The Withdrawn Position. Corrosion Observed. Repairs Needed.</i>								
Houses								
Access Ways	100%	Now	\$13,200	2037		**		
<i>Other Observation, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Span Lock Access</i>								
<i>Explanation : Hatches Need Repair.</i>								
Control House	100%	Now	\$14,200	2059		**		
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Control House</i>								
<i>Explanation : Leaking Windows And Roof</i>								
HVAC	100%			2052		**		
Machinery Room	100%			2059		**		
Main Drive System								
Generic	100%	Now	\$146,700	2059		**		
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Machine Rooms</i>								
<i>Explanation : Motors, Brakes And Reducers Making Noise. Brakes Require Cleaning And Possible Adjustment.</i>								
Sheaves								
Generic	1%	Now	\$700	2059		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Sheave Rooms</i>								
<i>Explanation : Missing Purge Plug Noted At One Location.</i>								
Generic	99%			2059		**		
Traffic Devices								
Barrier Gate	100%			2033		**		
Warning Gate	100%	Now	\$4,800	2033		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Warning Gate</i>								
<i>Explanation : Broken Door Hardware Noted</i>								

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : PELHAM BRIDGE SHORE ROAD/HUTCHINSON RIVER  
**Address** : EASTCHESTER BAY,BX, PELHAM PKY  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0045.000 / 2469 **Yr Built/Renovated** : 1906 / 1981  
**Area Sq Ft** : 42,640 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 08-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240200

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$10,246,800	\$259,900
Bridge Electrical	\$1,207,700	\$1,956,200
Bridge Mechanical	\$1,338,100	
<b>Total</b>	<b>\$12,792,600</b>	<b>\$2,216,100</b>
Importance Code A	\$10,033,500	\$259,900
Importance Code B	\$2,759,100	\$1,956,200
<b>Total</b>	<b>\$12,792,600</b>	<b>\$2,216,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$29,300		\$21,300	
Bridge Electrical	\$90,000	\$200	\$200	\$200
Bridge Mechanical	\$74,300			
<b>Total</b>	<b>\$193,600</b>	<b>\$200</b>	<b>\$21,500</b>	<b>\$200</b>
Importance Code A	\$5,200		\$21,300	
Importance Code B	\$164,400	\$200	\$200	\$200
Importance Code C	\$24,000			
<b>Total</b>	<b>\$193,600</b>	<b>\$200</b>	<b>\$21,500</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**PELHAM BRIDGE SHORE ROAD/HUTCHINSON RIVER**

**Asset # : 2469**

Bridge Structure		Current 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>Abutments</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
			<i>Other Observation, Extent : Light, Area Affected : 1%</i>					
			<i>Location : End Abutment</i>					
			<i>Explanation : Earth In Front Of Abutment At Low Tide.</i>					
Riprap	100%			LIFE			**	
			<i>Other Observation, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Both Abutments</i>					
			<i>Explanation : Rip Rap At Begin Abutment And At Corners Of The End Abutment.</i>					
Stem (breastwall)								
Masonry: Granite	100%			LIFE			**	
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Riprap	100%			LIFE			**	
			<i>Settlement, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Beginning Right Wingwall</i>					
Piles								
Not Accessible	100%							
Walls								
Granite	100%			LIFE			**	
<b>Feature Crossed</b>								
Bank Protection								
Riprap	100%			LIFE			**	
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	100%			LIFE			**	
			<i>Other Observation, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Piers 3 And 4</i>					
			<i>Explanation : New Pier Protection Installed.</i>					
<b>Approaches</b>								
Pavement								
Asphalt	100%	4+	\$3,300	2030		**	4	\$5,400
			<i>Cracks, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Both Beginning And End Approaches</i>					
Curbs								
Concrete w/ Steel Face	100%			LIFE			**	
Embankment								
Earth	100%			LIFE			**	
Stone Rough Work	100%			LIFE			**	

Note : All component repairs \$ estimates are in current dollars and are not 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**PELHAM BRIDGE SHORE ROAD/HUTCHINSON RIVER**

**Asset # : 2469**

Bridge Structure		Current 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>Approaches</b>								
Guide Railing Steel	100%	Now	\$3,000	LIFE	**	2-8	\$5,800	
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Begin Left Side Approach</i>								
<i>Explanation : Guide Railing Is Missing 4 Post.</i>								
<hr/>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Riprap	100%			LIFE	**			
<hr/>								
Sidewalks								
Concrete	100%			LIFE	**			
<hr/>								
<b>Piers</b>								
Stem,Solid Pier Concrete	100%	4+	\$100,700	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Piers 1, 2, 3, 4, 5 And 6</i>								
<i>Delaminations, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Piers 1, 2, 3, 4, 5 And 6</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Piers 1, 2, 3, 4, 5 And 6</i>								
Granite	100%	4+	\$112,500	LIFE	**			
<i>Joints Missing, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Piers 1, 2, 3, 4, 5 And 6</i>								
<hr/>								
Footings								
Not Accessible	100%							
<hr/>								
Mat (scour & erosion)								
Not Accessible	100%							
<hr/>								
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<hr/>								
Guide Railing								
Concrete	100%	4+	\$2,200	2046	**			
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Spans 1 Through 3 And 5 Through 7</i>								
<i>Explanation : Concrete Barrier On The Bridge, Left Side Only</i>								
<hr/>								
Railings/Parapets								
Concrete	100%			2038	**	4	\$25,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Spans 1 Through 3 And 5 Through 7.</i>								
<i>Explanation : Right Side Of Bridge.</i>								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**PELHAM BRIDGE SHORE ROAD/HUTCHINSON RIVER**

**Asset # : 2469**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Sidewalks</b>								
Concrete	90%			2034	**	5	\$19,700	
Concrete	10%	0-2	\$5,800	2034	**	5	\$9,800	
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Span 6</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Spans 1 Through 3 And 5 Through 7 Fascias</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Span 6</i>								
<hr/>								
<b>Wearing Surface</b>								
Asphalt	100%	Now	\$3,400	2030	**	5	\$15,400	
<i>Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Span 7 Exhibits Transverse Cracking Up To 1 Inch Wide.</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Pier 5, Right Side</i>								
<i>Explanation : Pavement Settlement Around Drainage Scupper</i>								
Steel Grating	100%			LIFE	**	5	\$23,000	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 4</i>								
<i>Explanation : Steel Grating In Bascule Span 4.</i>								
<hr/>								
<b>Superstructure</b>								
<b>Primary Member</b>								
Concrete	100%	2-4	\$2,574,700	LIFE	**	5	\$175,500	2
<i>Cracks, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Spans 1, 2, 3, 5, 6, And 7</i>								
<i>Delaminations, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Spans 1, 2, 3, 5, 6, And 7</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Spans 1, 2, 3, 5, 6, And 7</i>								
Steel	100%	4+	\$2,218,700	LIFE	**	2-8	\$157,700	
<i>Corrosion, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Exposed Steel Truss In Random Spans.</i>								
<hr/>								
<b>Movable Bridges</b>								
<b>Bascule Span</b>								
Steel	100%	0-2	\$3,426,000	LIFE	**			
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Span 4</i>								
<i>Explanation : Corrosion Holes, Section Losses At Several Members Of The Primary And Secondary Members</i>								
<hr/>								
<b>Bascule Span Pier</b>								
Concrete	100%	2-4	\$1,814,100	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Piers 3 And 4</i>								
<i>Explanation : Pier Wall Supporting Truss Members Is Cracking And Spalling With Exposed Rebars.</i>								

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**DEPARTMENT OF TRANSPORTATION - 841  
PELHAM BRIDGE SHORE ROAD/HUTCHINSON RIVER**

**Asset # : 2469**

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Communications								
Generic	100%	Now	\$36,100	2029	\$36,100			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : System Wide</i>								
<i>Explanation : The Circuits In The Submarine Cable Utilized By This Equipment Have Been Utilized For Another System.</i>								
Control System Electrical								
Control Console								
Stainless Steel	100%	Now	\$19,100	LIFE		**		
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Control Desk</i>								
<i>Explanation : Automatic Seating Is Not Functioning. Must Be Manually Controlled.</i>								
Disconnect Switch								
Generic	100%			2034		**		
Limit Switch								
Generic	100%	Now	\$18,700	2042		**		
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Southeast Tail Lock</i>								
<i>Explanation : Tail Lock Limit Switches Not Functioning</i>								
Electrical Power								
Transformer								
Dry	100%	0-2	\$14,700	2049		**		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Bridge House</i>								
<i>Explanation : Transformer Is Not Functioning</i>								
Dist Equip & Motor Controll								
Generic	100%	Now	\$12,000	2027	\$599,600			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Motor Control Center Buckets</i>								
<i>Explanation : Circuit Breaker Linkages Broken On Two Buckets. Southwest Motor Brake And Southeast Warning Gate</i>								
Ground/Lightning Protection								
Ground Bus								
Copper	100%			2034		**		
Raceway								
Submarine Control Cables								
Generic	100%	Now	\$853,900	2034		**		
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Submarine Cable</i>								
<i>Explanation : Submarine Cable Conductors Are Failing Due To Age And Need To Be Replaced</i>								
Wiring								
Generic	100%	Now	\$317,700	2027	\$1,059,000			
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Counterweight Pits</i>								
<i>Explanation : Conduit And Conduit Supports Are Corroded. Junction Boxes And Pull Boxes Are Missing Covers.</i>								
Stand-by Power								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**PELHAM BRIDGE SHORE ROAD/HUTCHINSON RIVER**

**Asset # : 2469**

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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 Generator Diesel	100%			2049	**			
Traffic System Electrical Traffic Signal Generic	100%			2024	\$177,200	1	\$1,900	
Lighting Lighting Devices Generic	100%	Now	\$25,300	2027	\$84,200			
<i>Other Observation, Extent : Light, Area Affected : 25%</i> <i>Location : Toe Of Both Spans, Various</i> <i>Explanation : Northeast Navigation Light Broken. Service Lighting Needs Relamping At Various Locations. Some Fixtures Not Operational.</i>								
<b>Bridge Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Bascule Counter Weight Generic	100%	0-2	\$216,600	2044	**			
<i>Other Observation, Extent : Severe, Area Affected : 20%</i> <i>Location : North And South Counterweights</i> <i>Explanation : Corroded Steel</i>								
Emergency Drive Emergency Power	100%	Now	\$9,700	2044	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i> <i>Location : Emergency Generator</i> <i>Explanation : No Operation On Emergency Power Observed. Need To Make Repairs. Possible Exhaust Leak.</i>								
Fuel Tanks Generic	100%	2-4	\$3,000	2034	**			
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i> <i>Location : Southwest Corner</i> <i>Explanation : Generator Fuel Tank Shows Moderate Surface Rusting.</i>								
Houses Control House	100%	Now	\$28,300	2044	**			
<i>Other Observation, Extent : Light, Area Affected : 5%</i> <i>Location : Control And Tenders House</i> <i>Explanation : There Are Some Window And Roof Leaks. Some Locks Need Repair. Water Main Needed Repair.</i>								
HVAC Machinery Room	100%	Now	\$15,400	2044	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i> <i>Location : Machinery Room</i> <i>Explanation : Corroded Grating.</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**PELHAM BRIDGE SHORE ROAD/HUTCHINSON RIVER**

**Asset # : 2469**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Bascule								
Lock Bars								
With Motor	100%	Now	\$46,100	2032		**		
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lock Bars On Pier</i>								
<i>Explanation : Some Corrosion, Torn Protective Covers. Repairs Required.</i>								
Without Motor	100%	Now	\$46,100	2032		**		
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Jaw And Pin Locks</i>								
<i>Explanation : Automatic Engagement Not Functioning. Needs To Be Manually Engaged. Some Corrosion. Some Repairs Required.</i>								
Main Drive System								
Generic	100%	Now	\$566,900	2044		**		
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South And North Machine Rooms</i>								
<i>Explanation : Missing Over Speed Chain, Corrosion And Lubricant Leakage. Broken Gauges. Misaligned Couplings. Repairs Needed.</i>								
Rack								
Generic	100%	Now	\$17,900	2044		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Southeast Rack</i>								
<i>Explanation : One Missing Or Broken Mounting Bolt Noted. Corroded Debris Shield.</i>								
Structural Bearings								
Generic	100%	Now	\$57,100	2032		**		
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Forward Live Load Bearings</i>								
<i>Explanation : Heavy Corrosion On Some Of The Anchor Bolts. Some Movement And Adjustment May Be Necessary.</i>								
Track								
Generic	100%	4+	\$119,100	2044		**		
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Tracks</i>								
<i>Explanation : Corrosion And Paint Failure On Some Bolts.</i>								
Traffic Devices								
Barrier Gate	100%	Now	\$208,500	2032		**		
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : Adjustments Required. Some Latches Do Not Function, Missing Or Broken Hardware. Crack in Arms.</i>								
Warning Gate	100%	Now	\$77,600	2032		**		
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Warning Gates</i>								
<i>Explanation : Some Gate Heights Need Adjustment. Some Open Holes. One Gate Not Working. Gate Repairs Needed.</i>								

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : PULASKI BRIDGE PULASKI BRIDGE/NEWTOWN CREEK  
**Address** : NEW TOWN CREEK  
**Borough** : BROOKLYN:QNS. **Agency's Number** : N/A  
**Program / Asset #** : DOT0050.000 / 2476 **Yr Built/Renovated** : 1954 / 1995  
**Area Sq Ft** : 214,183 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 05-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240639

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$5,694,700	\$2,355,800
Bridge Electrical	\$83,200	\$185,100
Bridge Mechanical	\$3,054,800	
<b>Total</b>	<b>\$8,832,800</b>	<b>\$2,540,900</b>
Importance Code A	\$2,123,100	\$1,135,600
Importance Code B	\$6,288,800	\$1,405,400
Importance Code C	\$420,900	
<b>Total</b>	<b>\$8,832,800</b>	<b>\$2,540,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$547,800		\$231,100	
Bridge Electrical	\$30,700	\$10,900	\$10,900	\$10,900
Bridge Mechanical	\$53,800		\$116,700	
<b>Total</b>	<b>\$632,300</b>	<b>\$10,900</b>	<b>\$358,800</b>	<b>\$10,900</b>
Importance Code A	\$394,200		\$108,700	
Importance Code B	\$237,900	\$10,900	\$250,100	\$10,900
Importance Code C	\$200			
<b>Total</b>	<b>\$632,300</b>	<b>\$10,900</b>	<b>\$358,800</b>	<b>\$10,900</b>



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**DEPARTMENT OF TRANSPORTATION - 841**  
**PULASKI BRIDGE PULASKI BRIDGE/NEWTOWN CREEK**

**Asset # : 2476**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Beginning And End Abutments</i>								
<i>Explanation : Enclosed Cell And Access Door Is Locked.</i>								
Backwall								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Beginning And End Abutments</i>								
<i>Explanation : Enclosed Cell And Access Door Is Locked.</i>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Beginning And End Abutments</i>								
<i>Explanation : Enclosed Cell And Access Door Is Locked.</i>								
Footings								
Not Accessible	100%							
Joint with Deck								
Composite	50%			LIFE			**	
Composite	50%	0-2	\$11,200	LIFE			**	
<i>Cracks, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Beginning And End Abutments</i>								
<i>Leakage, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Beginning And End Abutments</i>								
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Beginning And End Abutments</i>								
<i>Explanation : Enclosed Cell And Access Door Is Locked.</i>								
Stem (breastwall)								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Beginning And End Abutments</i>								
<i>Explanation : Enclosed Cell And Access Door Is Locked.</i>								
Wingwalls								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	95%			LIFE			**	
Concrete	5%	4+	\$193,400	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : End Abutment</i>								

**Feature Crossed**

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**DEPARTMENT OF TRANSPORTATION - 841**  
**PULASKI BRIDGE PULASKI BRIDGE/NEWTOWN CREEK**

**Asset # : 2476**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed								
Bank Protection								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Under Span 27</i>								
<i>Explanation : Concrete Protection Is Located At The Bridge Site.</i>								
Timber	100%			2039	**			
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	5%	Now	\$864,000	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Bascule Piers 25 And 26</i>								
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Bascule Piers 25 And 26</i>								
<i>Explanation : West Side 1 Of 2 Dolphin Clusters At 2 Locations Have Been Hit And Are Leaning.</i>								
Timber	95%	4+	\$1,641,600	LIFE	**			
<i>Split/Dry/Cracked, Extent : Light, Area Affected : 2%</i>								
<i>Location : Bascule Piers 26 And 27</i>								
Approaches								
Pavement								
Asphalt	100%	0-2	\$35,200	2034	**	4	\$11,500	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : End Approach</i>								
<i>Explanation : Pavement Shoving And Rutting</i>								
Concrete	100%			2044	**	4		
Guide Railing								
Concrete	100%			2044	**	4	\$6,900	
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
Steel	100%			LIFE	**	2-8		
Pier, Columns								
Concrete	50%			LIFE	**			
Concrete	50%	2-4	\$292,400	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Piers 18 Through 24 And 27 Through 30 And 33</i>								
<i>Delaminations, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Piers 19 - 24 And 27 - 30</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Piers 19 - 24 And 27 - 30</i>								
Steel	100%			LIFE	**	2-8	\$756,600	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**PULASKI BRIDGE PULASKI BRIDGE/NEWTOWN CREEK**

**Asset # : 2476**

Bridge Structure		Current 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>Piers</b>								
Stem,Solid Pier								
Concrete	98%			LIFE	**			
Concrete	2%	4+	\$7,700	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 25%</i>								
<i>Location : Pier 9 West</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Pier 40 West Corner</i>								
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**	2-8	\$82,700	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE	**			
<b>Deck Elements</b>								
Guide Railing								
Concrete	100%			2049	**			
Median								
Concrete	100%			LIFE	**	5	\$151,200	
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$13,000	
Sidewalks								
Concrete	100%			2039	**	5	\$41,100	
Wearing Surface								
Concrete	5%	Now	\$100	2044	**	5	\$3,000	
<i>Broken,Missing Pave, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Spans 31, 32 And 33 East Side Roadway</i>								
<i>Spalling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Spans 31, 32 And 33 East Side Roadway</i>								
Concrete	5%	2-4	\$100	2042	**	5	\$3,000	
<i>Cracks, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : Spans 31, 32 And 33 East Side Roadway</i>								
<i>Delaminations, Extent : Light, Area Affected : 2%</i>								
<i>Location : Spans 31, 32 And 33 East Side Roadway</i>								
Concrete	90%			2044	**	5	\$6,000	
<b>Superstructure</b>								
Deck,Structural								
Concrete	100%	4+	\$744,600	LIFE	**	5	\$5,900	
<i>Cracks, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Spans 25 And 27</i>								
Grating w/ Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Span 26</i>								
<i>Explanation : Only Span 26</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**PULASKI BRIDGE PULASKI BRIDGE/NEWTOWN CREEK**

**Asset # : 2476**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Joints								
Composite	85%	4+	\$102,200	LIFE	**	4	\$841,100	
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Piers 8, 12, 15, 18, 19, 20, 27 And 36</i>								
<i>Explanation : Water Leakage Noted Below Joints</i>								
Composite	15%	Now	\$90,100	LIFE	**	4	\$841,100	
<i>Leakage, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Piers 2, 5, 9, 33, 39, 40 And 43</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Piers 2, 5, 9, 33, 39, 40 And 43</i>								
<i>Explanation : Torn And Cracked Sealer</i>								
Primary Member								
Prestressed Concrete Box Beam	100%			LIFE	**			
Steel	100%			LIFE	**	2-8	\$3,393,300	
Secondary Member								
Steel	100%	Now	\$192,500	LIFE	**	2-8	\$1,658,400	
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Span 30</i>								
<i>Explanation : Cross Bracing Missing 4 Of 4 Connection Rivets.</i>								
Movable Bridges								
Bascule Span								
Steel	90%			LIFE	**			
Steel	10%	4+	\$166,700	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Piers 25 And 26</i>								
<i>Explanation : Steel Towers Exhibit Corrosion.</i>								
Bascule Span Pier								
Concrete	90%			LIFE	**			
Concrete	10%	0-2	\$76,300	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bascule Piers 25 And 26</i>								
<i>Explanation : Median Stringers 6 And 7 Pedestal Exhibit Spalls With Exposed Anchor Bolts.</i>								

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Intercom								
Generic	100%	Now	\$1,500	2027	\$15,000			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Random Throughout Bridge</i>								
<i>Explanation : Intercom System Not Functioning</i>								
Telephone								
Desk Top	100%			2027				

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**DEPARTMENT OF TRANSPORTATION - 841**  
**PULASKI BRIDGE PULASKI BRIDGE/NEWTOWN CREEK**

**Asset # : 2476**

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Jack								
Telephone	100%			2027				
Control System Electrical								
Control Console								
Stainless Steel	100%	Now	\$83,200	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Control Desk Span Position Meters Not Functioning</i>								
Control Devices								
Relay	80%			2034	**			
Relay	20%			2042	**			
Disconnect Switch								
Non Fused	100%			2042	**	1	\$49,400	
Limit Switch								
Generic	70%	Now	\$4,300	2042	**			
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Southwest Seated Switch</i>								
<i>Explanation : Southwest Fully Seated Switch Is Failed</i>								
Generic	30%			2042	**			
Drive								
Machinery Brake								
Thruster	100%			2039	**	1	\$2,300	
Motor Brake								
Thruster	100%			2039	**	1	\$2,300	
Span Lock Motor								
Generic	100%			2039	**	1	\$2,300	
Electrical Power								
MCC								
Starter	100%			2027				
Contactors	75%			2027				
Contactors	25%			2042	**			
Motor Circuit Protector	100%			2027	\$19,000	1	\$4,500	
Panelboard								
Circuit Breaker	100%			2034	**	1	\$13,500	
Service Equipment								
Fused Disc Switch	100%			2034	**			
Transfer Switch								
Auto	100%	Now	\$10,600	2042	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Bridge House</i>								
<i>Explanation : Transfer Switch Not Functioning</i>								
Exterior Lighting								
Lighting Contactor								
Generic	100%			2042	**	1	\$5,600	
Lighting Fixture								
HID	100%			2027				
Pole								
Aluminum	100%			2030	**			

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**PULASKI BRIDGE PULASKI BRIDGE/NEWTOWN CREEK**

**Asset # : 2476**

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ground/Lightning Protection								
Ground Bus								
Not Accessible	100%							
Ground Rod								
Not Accessible	100%							
Ground Wire								
Green	100%			2030	**			
Not Accessible	100%							
Interior Lighting								
Lighting Fixture								
Fluorescent	100%			2030	**	1	\$9,000	
HID	100%	4+	\$1,700	2030	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout Bridge</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout Bridge</i>								
<i>Explanation : Service Lighting Fixtures Not Working</i>								
Incandescent	100%	4+	\$1,700	2027	\$3,400			
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Service Lighting Fixtures Not Working</i>								
Wiring Device								
Generic	100%			2029				
Raceway								
Box								
Pull Junction	100%			2029		1	\$13,500	
Terminal	100%			2029		1	\$4,500	
Conduit								
Metal	50%			2057	**			
Metal	50%			2044	**			
Submarine Control Cables								
Control	100%			2027				
Submarine Power Cable								
Power	100%			2027				
Wires								
Cloth	100%			2028	\$185,100			
Thermoplastic	100%			2042	**			
Span Lock								
Motor								
Squirrel Cage	100%			2032	**			
Traffic System Electrical								
Barrier Gate Lighting								
Incandescent	100%			2027		1	\$1,100	
Traffic Gate Lighting								
Incandescent	100%			2027		1	\$1,100	
Traffic Gong								
Generic	100%			2027		1	\$600	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**PULASKI BRIDGE PULASKI BRIDGE/NEWTOWN CREEK**

**Asset # : 2476**

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

Traffic System Electrical

Traffic Sign

Fixed

100%

2027

Lighting

Lighting Devices

Generic

100%

2030

\*\*

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

Bascule

Counter Weight

Generic

100%

Now

\$113,000

2044

\*\*

2

\$71,800

*Other Observation, Extent : Light, Area Affected : 5%*

*Location : Counterweights*

*Explanation : Some Open Pockets*

Emergency Drive

Emergency Power

100%

Now

\$119,000

2044

\*\*

2

\$143,700

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

*Location : Machine Rooms*

*Explanation : Components Are Corroding. Operation Of System Could Not Be Performed.*

Fuel Tanks

Generic

100%

Now

\$200

2034

\*\*

*Other Observation, Extent : Light, Area Affected : 2%*

*Location : Control House*

*Explanation : Reported No Longer Used, Should Be Drained*

Houses

Access Ways

100%

Now

\$26,600

2032

\*\*

*Other Observation, Extent : Severe, Area Affected : 5%*

*Location : Accessways*

*Explanation : Some Grating, Hatches, Safety Chains, And Doors Loose, Missing Or Need Repair.*

Control House

100%

Now

\$104,000

2044

\*\*

*Other Observation, Extent : Moderate, Area Affected : 20%*

*Location : Control House*

*Explanation : Some Doors And Windows Need Repair. Heating System And Plumbing Needs Work.*

Machinery Room

100%

Now

\$71,700

2044

\*\*

*Other Observation, Extent : Light, Area Affected : 20%*

*Location : Machine Rooms*

*Explanation : Some Doors And Enclosure Panels Need Repair. Some Water And Oil On Floor.*

Lock Bars

With Motor

100%

Now

\$289,900

2032

\*\*

2

\$35,900

*Other Observation, Extent : Severe, Area Affected : 35%*

*Location : Lock Bars*

*Explanation : Lockbar Clearances Need To Be Reduced. Leakage, Corrosion, Damaged Or Missing Parts.*

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**PULASKI BRIDGE PULASKI BRIDGE/NEWTOWN CREEK**

**Asset # : 2476**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Bascule								
Main Drive System								
Generic	100%	Now	\$465,400	2032	**	2	\$215,500	
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Machine Rooms</i>								
<i>Explanation : Minor Leaks. Components Are Corroding. Some Repairs Needed.</i>								
Rack								
Generic	100%	Now	\$186,200	2044	**			
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Racks</i>								
<i>Explanation : Supports And Fasteners Have Some Moderate To Severe Corrosion.</i>								
Structural Bearings								
Generic	100%	Now	\$1,200	2032	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Live Load Bearings</i>								
<i>Explanation : Corrosion Noted On Some Sides And Fasteners. Adjustments May Be Required With Lock Adjustment.</i>								
Traffic Devices								
Barrier Gate	100%	Now	\$1,288,600	2032	**			
<i>Other Observation, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : All Gates Not Functioning. Southeast Net Missing. Repairs And Adjustments Needed.</i>								
Warning Gate	100%	Now	\$25,900	2032	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Warning Gates</i>								
<i>Explanation : Some Gates Missing Hardware And Work Required. North Sidewalk Gate Missing.</i>								
Trunnion								
Generic	100%	Now	\$417,000	2044	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Trunnion Assemblies</i>								
<i>Explanation : Debris And Moderate Corrosion On Exteriors Of Trunnion Assemblies.</i>								

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : RAMP TO MADISON AVE. BRIDGE OVER E 138TH STREET  
**Address** : HARLEM RIVER, HARLEM RIV DR.  
**Borough** : MANHATTAN      **Agency's Number** : N/A  
**Program / Asset #** : DOT0042.0A0 / 4210      **Yr Built/Renovated** : 1907 / 2008  
**Area Sq Ft** : 22,600      **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 24-Aug-2015      **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** :      **Lot** :      **BIN** : 224007A

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$639,000	\$912,900
<b>Total</b>	<b>\$639,000</b>	<b>\$912,900</b>
Importance Code A	\$580,000	\$340,500
Importance Code B		\$214,800
Importance Code C	\$59,000	\$357,700
<b>Total</b>	<b>\$639,000</b>	<b>\$912,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$117,000		\$54,200	
<b>Total</b>	<b>\$117,000</b>		<b>\$54,200</b>	
Importance Code A	\$42,500		\$29,800	
Importance Code B	\$5,000		\$21,500	
Importance Code C	\$69,400		\$2,800	
<b>Total</b>	<b>\$117,000</b>		<b>\$54,200</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**RAMP TO MADISON AVE. BRIDGE OVER E 138TH STREET**

**Asset # : 4210**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE			**	
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
<b>Walls</b>								
Concrete	100%	4+	\$525,400	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Spalls With Exposed Rebar At Southwest Wall At Pier</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Fascias</i>								
<i>Explanation : Cellular Abutment Wall</i>								
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
<b>Walls</b>								
Concrete	90%			LIFE			**	
Concrete	10%	4+	\$59,000	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Spalls With Exposed Rebar At Southeast Wingwall At Pier Joint And Along Southwest Wingwall</i>								
<b>Feature Crossed</b>								
Mat (scour & erosion)								
Generic	100%			LIFE			**	
<b>Approaches</b>								
Pavement								
Concrete	100%			2036			**	4
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At End Of Concrete Approach Slabs</i>								
<i>Explanation : Asphalt Expansion Joint Between Rigid Pavement And Approach Slab</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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**DEPARTMENT OF TRANSPORTATION - 841**  
**RAMP TO MADISON AVE. BRIDGE OVER E 138TH STREET**

**Asset # : 4210**

Bridge Structure		Current 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>Approaches</b>								
Guide Railing								
Concrete	100%	4+	\$1,600	2036	**	4	\$4,600	
	<i>Cracks, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Random Locations Throughout</i>							
Steel	100%			LIFE	**	2-8		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Top Of Concrete Barrier</i>							
	<i>Explanation : Steel Railing</i>							
<b>Pavement Base</b>								
Not Accessible	100%							
<b>Railings/Parapets</b>								
Concrete	100%	4+	\$31,200	2036	**	4	\$17,600	
	<i>Cracks, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
Steel	100%			LIFE	**			
<b>Sidewalks</b>								
Concrete	100%	4+	\$5,600	LIFE	**			
	<i>Cracks, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Spalling, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Random Locations Throughout</i>							
<b>Piers</b>								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$180,200	
<b>Pier,Columns</b>								
Concrete Encased Steel	95%			LIFE	**	5	\$200	
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Pier 2</i>							
	<i>Explanation : Joint Leaking And Water Stains</i>							
Concrete Encased Steel	5%	4+		LIFE	**	5	\$200	
	<i>Spalling, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Corrosion To Steel Protective Angles And Delamination / Spall Of Concrete Cover</i>							
<b>Stem,Solid Pier</b>								
Concrete	95%			LIFE	**			
Concrete	5%	4+	\$5,000	LIFE	**			
	<i>Leakage, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Both Ends At Pier 5</i>							
<b>Brngs,Ancr Blts,Pads</b>								
Elastomeric	100%			2047	**			
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Pedestals</b>								
Concrete	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**RAMP TO MADISON AVE. BRIDGE OVER E 138TH STREET**

**Asset # : 4210**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers								
Piles								
Not Accessible	100%							
Deck Elements								
Guide Railing								
Concrete	100%	4+	\$9,700	2040		**		
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Random Locations Throughout</i>					
Steel	100%			LIFE		**		
Median								
Concrete	100%			LIFE		**	5	\$3,500
Railings/Parapets								
Steel	100%			LIFE		**	2-8	\$13,200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Railings Are On East Side Of Bridge</i>					
Sidewalks								
Concrete	100%			2032		**	5	\$5,600
Wearing Surface								
Asphalt	100%	4+	\$29,400	2028	\$294,300		5	\$14,600
			<i>Cracks, Extent : Moderate, Area Affected : 25%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Southbound Lane</i>					
			<i>Explanation : Asphalt Wearing Surface On One Side Of The Lane Only</i>					
Concrete	100%	4+	\$34,000	2036		**	5	\$63,300
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Near End Abutment End</i>					
Scupper								
Cast Iron	100%			LIFE		**		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : 14 Scuppers</i>					
Superstructure								
Deck, Structural								
Concrete	90%			LIFE		**	5	\$23,900
Concrete	10%	4+	\$54,500	LIFE		**	5	\$23,900
			<i>Corrosion, Extent : Severe, Area Affected : 40%</i>					
			<i>Location : Stay In Place Forms Under East And West Fascia Girders</i>					
Joints								
Generic	95%			LIFE		**		
Generic	5%	4+	\$500	LIFE		**		
			<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Explanation : Joint Filler Is Depressed</i>					

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**RAMP TO MADISON AVE. BRIDGE OVER E 138TH STREET**

**Asset # : 4210**

<b>Bridge Structure</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>Priority</b>
Superstructure									
Primary Member									
	Steel	100%			LIFE	**	2-8	\$401,200	
Secondary Member									
	Steel	100%			LIFE	**	2-8	\$336,100	

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : RICHMOND AVENUE BRIDGE RICHMOND AVE./RICHMOND CREEK  
**Address** : OVER RICHMOND CREEK  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : DOT0154.000 / 13517 **Yr Built/Renovated** : 1931 /  
**Area Sq Ft** : 32,589 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 31-Oct-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240350

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$93,200	\$5,319,900
<b>Total</b>	<b>\$93,200</b>	<b>\$5,319,900</b>
Importance Code A		\$70,900
Importance Code C	\$93,200	\$5,249,000
<b>Total</b>	<b>\$93,200</b>	<b>\$5,319,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$162,500	\$59,600	\$4,300	\$6,700
<b>Total</b>	<b>\$162,500</b>	<b>\$59,600</b>	<b>\$4,300</b>	<b>\$6,700</b>
Importance Code A	\$48,900		\$4,300	
Importance Code B	\$22,400			
Importance Code C	\$91,200	\$59,600		\$6,700
<b>Total</b>	<b>\$162,500</b>	<b>\$59,600</b>	<b>\$4,300</b>	<b>\$6,700</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**RICHMOND AVENUE BRIDGE RICHMOND AVE./RICHMOND CREEK**  
**Asset # : 13517**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Composite	100%	2-4	\$22,400	LIFE			* *	
		<i>Other Observation, Extent : Light, Area Affected : 40%</i>						
		<i>Location : Both Abutments</i>						
		<i>Explanation : Missing/ Damaged Seal</i>						
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%	4+	\$10,700	LIFE			* *	
		<i>Erosion, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Begin Abutment West Side</i>						
Piles								
Not Accessible	100%							
Walls								
Concrete	7%	4+	\$22,800	LIFE			* *	
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Efflorescence, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations Throughout Both Abutments</i>						
Concrete	93%			LIFE			* *	
Feature Crossed								
Bank Protection								
Riprap	100%			LIFE			* *	
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Approaches								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**RICHMOND AVENUE BRIDGE RICHMOND AVE./RICHMOND CREEK**  
**Asset # : 13517**

Bridge Structure		Current 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>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%			2029	\$5,155,800	4	\$178,700	
Concrete	100%	4+	\$28,200	2037	**	4	\$32,100	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Both End Approaches</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Both End Approaches</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	28%	2-4	\$15,400	LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Both Approaches</i>								
Concrete w/ Steel Face	72%			LIFE	**			
<b>Embankment</b>								
Earth	100%			LIFE	**			
<b>Guide Railing</b>								
Steel	100%			LIFE	**	2-8	\$146,200	
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Median</b>								
Concrete	100%			LIFE	**	5		
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Railings/Parapets</b>								
Concrete	100%			2037	**	4		
Steel	100%			LIFE	**			
<b>Sidewalks</b>								
Concrete	5%	4+	\$4,400	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : East And West Approach</i>								
Concrete	95%			LIFE	**			
<b>Piers</b>								
<b>Stem,Solid Pier</b>								
Not Accessible	100%							
<b>Brngs,Ancr Blts,Pads</b>								
Not Accessible	100%							
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Not Accessible	100%							
<b>Pedestals</b>								
Not Accessible	100%							
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**RICHMOND AVENUE BRIDGE RICHMOND AVE./RICHMOND CREEK**  
**Asset # : 13517**

Bridge Structure		Current 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>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$18,000	LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Guide Railing Concrete	100%			2041	**			
<b>Median</b>								
Concrete	100%	4+	\$10,000	LIFE	**	5	\$3,400	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Settlement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Railings/Parapets</b>								
Concrete	100%	4+	\$5,500	2037	**	4	\$800	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Steel	100%			LIFE	**	2-8	\$12,900	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Steel Railing On Top Of Parapet</i>								
<b>Sidewalks</b>								
Concrete	90%	4+	\$10,000	2033	**	5	\$6,700	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	10%			2033	**	5	\$13,300	
<b>Wearing Surface</b>								
Concrete	100%			2037	**	5	\$186,300	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Scupper</b>								
Ductile Iron	100%			LIFE	**			
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	100%			LIFE	**	5	\$35,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underside</i>								
<i>Explanation : Underside Not Accessible</i>								
<b>Joints</b>								
Composite	80%	2-4	\$15,000	LIFE	**	4	\$185,500	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Missing/ Damaged Seal</i>								
Composite	20%			LIFE	**	4	\$185,500	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**RICHMOND AVENUE BRIDGE RICHMOND AVE./RICHMOND CREEK**  
**Asset # : 13517**

<b>Bridge Structure</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Superstructure								
Primary Member								
Not Accessible	100%							
Secondary Member								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : RIKERS ISLAND BRIDGE RIKERS ISL BR/RIKERS ISL CHANNEL  
**Address** : RIKERS ISL CHANNEL  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0052.000 / 2478 **Yr Built/Renovated** : 1966 /  
**Area Sq Ft** : 183,419 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 02-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240660

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$1,614,700	\$1,402,300
<b>Total</b>	<b>\$1,614,700</b>	<b>\$1,402,300</b>
Importance Code A	\$706,000	\$115,600
Importance Code C	\$908,700	\$1,286,700
<b>Total</b>	<b>\$1,614,700</b>	<b>\$1,402,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$30,000		\$12,900	
<b>Total</b>	<b>\$30,000</b>		<b>\$12,900</b>	
Importance Code A	\$9,600		\$12,900	
Importance Code C	\$20,400			
<b>Total</b>	<b>\$30,000</b>		<b>\$12,900</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**RIKERS ISLAND BRIDGE RIKERS ISL BR/RIKERS ISL CHANNEL**

**Asset # : 2478**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE			* *	
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
<b>Feature Crossed</b>								
Bank Protection								
Riprap	100%			LIFE			* *	
Mat (scour & erosion)								
Stream Bed	100%			LIFE			* *	
Pier Protection								
Not Accessible	100%							
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	80%			2028	\$291,700	4	\$6,800	
Asphalt	20%	2-4	\$14,600	2028	\$72,900	4	\$4,600	
<i>Cracks, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations Throughout</i> <i>Spalling, Extent : Light, Area Affected : 2%</i> <i>Location : Pothole At Interface Of Begin Abutment</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	95%			LIFE			* *	
Concrete w/ Steel Face	5%	4+	\$500	LIFE			* *	
<i>Corrosion, Extent : Light, Area Affected : 5%</i> <i>Location : Throughout</i>								
<b>Embankment</b>								
Earth	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**RIKERS ISLAND BRIDGE RIKERS ISL BR/RIKERS ISL CHANNEL**

**Asset # : 2478**

Bridge Structure		Current 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>Approaches</b>								
Guide Railing								
Concrete	100%			2036	**	4	\$3,800	
Steel	75%			LIFE	**	2-8	\$5,800	
Steel	25%	4+	\$7,800	LIFE	**	2-8	\$5,800	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
Pavement Base								
Not Accessible	100%							
<hr/>								
Sidewalks								
Concrete	90%			LIFE	**			
Concrete	10%	4+	\$3,600	LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Top Surface</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : South Entrance</i>								
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : East Sidewalk</i>								
<i>Explanation : Water Main Utility</i>								
<hr/>								
<b>Piers</b>								
Cap Beam								
Not Accessible	100%							
<hr/>								
Pier, Columns								
Not Accessible	100%							
<hr/>								
Stem, Solid Pier								
Not Accessible	100%							
<hr/>								
Brngs, Ancr Blts, Pads								
Not Accessible	100%							
<hr/>								
Footings								
Not Accessible	100%							
<hr/>								
Mat (scour & erosion)								
Not Accessible	100%							
<hr/>								
Pedestals								
Not Accessible	100%							
<hr/>								
Piles								
Not Accessible	100%							
<hr/>								
<b>Deck Elements</b>								
Guide Railing								
Steel	80%			LIFE	**			
Steel	20%	4+	\$87,500	LIFE	**			
<i>Rust Stains, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
Railings/Parapets								
Steel	70%			LIFE	**	2-8	\$175,900	
Steel	30%	4+	\$618,400	LIFE	**	2-8	\$175,900	
<i>Corrosion, Extent : Moderate, 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.

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**RIKERS ISLAND BRIDGE RIKERS ISL BR/RIKERS ISL CHANNEL**

**Asset # : 2478**

Bridge Structure		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>Deck Elements</b>								
<b>Sidewalks</b>								
Concrete	90%			2032	**	5	\$81,200	
Concrete	10%	4+	\$125,600	2032	**	5	\$40,600	
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
<b>Wearing Surface</b>								
Concrete	90%			2036	**	5	\$840,900	
Concrete	10%	4+	\$322,000	2036	**	5	\$420,500	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Transverse And Map Cracking Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random And At Deck Joints</i>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Not Accessible	100%							
<b>Joints</b>								
Generic	100%			LIFE	**			
<b>Primary Member</b>								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Only Spans 54 And 55 Were Observed From The Underside. Fatigue Prone Detail, Partial Length Cover Plates Noted.</i>								
<b>Secondary Member</b>								
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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ROOSEVELT AVE. BRIDGE / VAN WYCK EXPY, FLUSHING RIVER  
**Address** : VAN WYCK EXPY, FLUSHING RIV.  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0049.070 / 2573 **Yr Built/Renovated** : 1924 /  
**Area Sq Ft** : 84,425 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 18-Oct-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240507

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$4,775,300	\$4,460,500
<b>Total</b>	<b>\$4,775,300</b>	<b>\$4,460,500</b>
Importance Code A	\$1,449,600	\$1,857,000
Importance Code B	\$402,000	\$1,671,200
Importance Code C	\$2,923,700	\$932,300
<b>Total</b>	<b>\$4,775,300</b>	<b>\$4,460,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$119,300	\$1,000	\$336,300	\$23,500
<b>Total</b>	<b>\$119,300</b>	<b>\$1,000</b>	<b>\$336,300</b>	<b>\$23,500</b>
Importance Code A	\$21,500	\$1,000	\$168,700	
Importance Code B	\$16,300		\$167,600	
Importance Code C	\$81,500			\$23,500
<b>Total</b>	<b>\$119,300</b>	<b>\$1,000</b>	<b>\$336,300</b>	<b>\$23,500</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**ROOSEVELT AVE. BRIDGE / VAN WYCK EXPY, FLUSHING RIVER**

**Asset # : 2573**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$16,300	LIFE			**	
			<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : At Begin Abutment</i>					
			<i>Leakage, Extent : Moderate, Area Affected : 25%</i>					
			<i>Location : Throughout</i>					
			<i>Loose Elements, Extent : Light, Area Affected : 15%</i>					
			<i>Location : Joint With Sidewalk</i>					
			<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : End Abutment</i>					
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Concrete	9%	4+	\$10,300	LIFE			**	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : East Abutment Both Wingwalls</i>					
			<i>Vegetation Growth, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : East Abutment South Wingwall</i>					
			<i>Other Observation, Extent : Light, Area Affected : 50%</i>					
			<i>Location : West Abutment Wingwalls</i>					
			<i>Explanation : Area Fenced Off By M. T. A. And Other Private Properties</i>					
Concrete	91%			LIFE			**	
Feature Crossed								
Bank Protection								
Riprap	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**ROOSEVELT AVE. BRIDGE / VAN WYCK EXPY, FLUSHING RIVER**

**Asset # : 2573**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Approaches								
Pavement								
Asphalt	100%	4+	\$20,300	2029	\$406,800	4	\$5,800	
			<i>Cracks, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Settlement, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Concrete	100%	4+	\$3,100	2037	**	4	\$5,400	
			<i>Spalling, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : East Approach</i>					
Curbs								
Concrete	100%			LIFE	**			
Concrete w/ Steel Face	100%	2-4	\$12,400	LIFE	**			
			<i>Settlement, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : End Approach South Side</i>					
Embankment								
Not Accessible	100%							
Guide Railing								
Concrete	100%			2037	**	4	\$3,000	
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Steel	100%	4+	\$9,100	LIFE	**			
			<i>Corrosion, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Random Locations Throughout</i>					
Sidewalks								
Concrete	75%	4+	\$15,900	LIFE	**			
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Deteriorated Area More Severe On West Approach</i>					
			<i>Settlement, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Deteriorated Area More Severe On West Approach</i>					
Concrete	25%			LIFE	**			
Piers								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Not Accessible	100%							
Stem,Solid Pier								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
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.



**DEPARTMENT OF TRANSPORTATION - 841**  
**ROOSEVELT AVE. BRIDGE / VAN WYCK EXPY, FLUSHING RIVER**

**Asset # : 2573**

Bridge Structure		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>Superstructure</b>								
Deck,Structural Concrete	30%			LIFE	**	5	\$92,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Side</i>								
<i>Explanation : Under Construction</i>								
Concrete	70%	0-2	\$1,248,900	LIFE	**	5	\$92,900	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
<i>Leakage, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Large Asphalt Patches</i>								
<b>Joints</b>								
Generic	100%	0-2	\$43,000	LIFE	**			
<i>Joints Missing, Extent : Light, Area Affected : 40%</i>								
<i>Location : Scattered Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Scattered Locations Throughout</i>								
<i>Missing/Damaged Seal, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Primary Member</b>								
Steel	2%	4+	\$200,700	LIFE	**	2-8	\$1,560,700	
<i>Corrosion, Extent : Light, Area Affected : 60%</i>								
<i>Location : Random Locations Throughout</i>								
Steel	98%			LIFE	**	2-8	\$1,560,700	
<b>Secondary Member</b>								
Steel	58%	4+	\$402,000	LIFE	**	2-8	\$1,307,400	
<i>Corrosion, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations</i>								
<i>Loss of Section, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
Steel	42%			LIFE	**	2-8	\$1,307,400	

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ROOSEVELT ISLAND BRIDGE E RIVER EAST CHAN/ROOSEVELT ISLD  
**Address** : E RIVER, EAST CHANNEL,36 AVE  
**Borough** : MANHATTAN:QNS. **Agency's Number** : N/A  
**Program / Asset #** : DOT0051.000 / 2477 **Yr Built/Renovated** : 1955 / 2011  
**Area Sq Ft** : 36,543 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 16-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240640

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$839,700	\$839,700
Bridge Mechanical	\$342,900	
<b>Total</b>	<b>\$1,182,600</b>	<b>\$839,700</b>
Importance Code A	\$387,200	\$387,200
Importance Code B	\$735,800	\$392,900
Importance Code C	\$59,600	\$59,600
<b>Total</b>	<b>\$1,182,600</b>	<b>\$839,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$260,600	\$11,100	\$80,100	
Bridge Electrical	\$8,800			
Bridge Mechanical	\$142,000			
<b>Total</b>	<b>\$411,400</b>	<b>\$11,100</b>	<b>\$80,100</b>	
Importance Code A	\$166,300		\$40,700	
Importance Code B	\$242,800		\$39,400	
Importance Code C	\$2,200	\$11,100		
<b>Total</b>	<b>\$411,400</b>	<b>\$11,100</b>	<b>\$80,100</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**ROOSEVELT ISLAND BRIDGE E RIVER EAST CHAN/ROOSEVELT ISLD**  
**Asset # : 2477**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE			* *	
Backwall								
Concrete	100%			LIFE			* *	
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : End Abutment Only.</i>						
		<i>Explanation : Backwall Only At End Abutment.</i>						
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE			* *	
Pedestals								
Concrete	100%			LIFE			* *	
Stem (breastwall)								
Concrete	100%			LIFE			* *	
Wingwalls								
Footings								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : End Abutment Only</i>						
		<i>Explanation : End Abutment Only</i>						
Walls								
Concrete	100%			LIFE			* *	
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : End Approach Only.</i>						
		<i>Explanation : Wingwall Is At The End Approach Only.</i>						
Feature Crossed								
Bank Protection								
Riprap	100%			LIFE			* *	
Sheet Piling	100%			LIFE			* *	
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	100%			LIFE			* *	
		<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Pier 3</i>						
Approaches								

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**ROOSEVELT ISLAND BRIDGE E RIVER EAST CHAN/ROOSEVELT ISLD**  
**Asset # : 2477**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Pavement								
Asphalt	100%			2033	**	4	\$33,200	
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : End Approach</i>						
		<i>Explanation : End Approach Asphalt.</i>						
Concrete	100%			2042	**	4		
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Begin Approach.</i>						
		<i>Explanation : Concrete Approach Pavement.</i>						
Curbs								
Steel	100%			LIFE	**			
Guide Railing								
Concrete	100%			2042	**	4		
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Pier 5 Only.</i>						
		<i>Explanation : Pier 5 Concrete Capbeam Only.</i>						
Steel	100%			LIFE	**	2-8	\$98,800	
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Piers 6 And 7 Only.</i>						
		<i>Explanation : Steel Capbeam At Piers 6 And 7 Only.</i>						
Pier,Columns								
Concrete	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Pier 5 Only.</i>						
		<i>Explanation : Concrete Columns</i>						
Steel	100%			LIFE	**	2-8	\$147,100	
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Piers 6 And 7 Only.</i>						
		<i>Explanation : Steel Columns.</i>						
Stem,Solid Pier								
Concrete	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Piers 1, 2, 3, 4 And 5.</i>						
		<i>Explanation : Solid Concrete Piers</i>						
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**	2-8	\$16,100	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ROOSEVELT ISLAND BRIDGE E RIVER EAST CHAN/ROOSEVELT ISLD**  
**Asset # : 2477**

Bridge Structure		Current 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>Piers</b>								
Pedestals								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 1, 2, 3, 4 And 5.</i>								
<i>Explanation : Concrete Pedestal</i>								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 6 And 7.</i>								
<i>Explanation : Steel Pedestal.</i>								
<b>Deck Elements</b>								
Curbs								
Steel	100%			LIFE	**			
<b>Gratings</b>								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 2, 3 And 4.</i>								
<i>Explanation : Steel Grating On Sidewalk.</i>								
<b>Guide Railing</b>								
Steel	100%			LIFE	**			
<b>Railings/Parapets</b>								
Steel	100%			LIFE	**	2-8	\$64,800	
<b>Sidewalks</b>								
Concrete	100%			2037	**	5		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 2, 4 Through 8.</i>								
<i>Explanation : Concrete Sidewalk.</i>								
Steel	100%			2055	**	2-8		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 3</i>								
<i>Explanation : Steel Plate On Top Of Concrete Filled Grating</i>								
<b>Wearing Surface</b>								
Asphalt	100%	Now	\$2,200	2033	**	5	\$10,100	
<i>Broken, Missing Pave, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Spans 1, 5 And 7</i>								
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 5 Through 8.</i>								
<i>Explanation : Asphalt Wearing Surface.</i>								
Steel Grating	100%			LIFE	**	5	\$119,100	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 3.</i>								
<i>Explanation : Steel Grating</i>								
<b>Superstructure</b>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ROOSEVELT ISLAND BRIDGE E RIVER EAST CHAN/ROOSEVELT ISLD**  
**Asset # : 2477**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Deck, Structural								
Grating w/ Concrete	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 1, 2, 4 Through 8</i>						
		<i>Explanation : Concrete Filled Grating</i>						
Steel Grating	100%			LIFE	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Span 3.</i>						
		<i>Explanation : Steel Grating Deck.</i>						
Joints								
Steel Finger Joints	100%			2064	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Span 3</i>						
		<i>Explanation : Steel Finger Joint</i>						
Generic	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8	\$1,157,900	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$993,500	
Movable Bridges								
Vertical Lift Span								
Steel	100%			LIFE	**			
Vertical Lift Tower								
Steel	100%			LIFE	**			
Vertical Lift Pier								
Concrete	100%			LIFE	**			

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Communications								
Generic	100%			2029	\$34,300			
Control System Electrical								
Control Console								
Stainless Steel	100%			LIFE	**			
Disconnect Switch								
Non Fused	100%			2049	**			
Limit Switch								
Lever	100%	Now	\$900	2029	\$18,100			
		<i>Other Observation, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Random Corners Not Indicating</i>						
		<i>Explanation : Fully Seated Switches Sticking.</i>						
Local Starter								
Magnetic	100%			2049	**			

## Ground/Lightning Protection

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

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ROOSEVELT ISLAND BRIDGE E RIVER EAST CHAN/ROOSEVELT ISLD**  
**Asset # : 2477**

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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/Lightning Protection								
Ground Bus								
Copper	100%			2034		**		
Ground Rod								
Not Accessible	100%							
Ground Wire								
Green	100%			2034		**		
Lightning Terminals								
Not Accessible	100%							
Raceway								
Wiring								
Generic	100%			2034		**		
Stand-by Power								
Generator								
Diesel	100%	Now	\$7,900	2049		**		
			<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>					
			<i>Location : Back Up Generator House In Queens</i>					
			<i>Explanation : Generator Does Not Start. Needs Repair.</i>					
Transfer Switch								
Auto	100%			2049		**		
Traffic System Electrical								
Traffic Signal								
Generic	100%			2029				
Lighting								
Lighting Devices								
Generic	100%			2034		**		

<b>Bridge Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Vertical Lift								
Buffers								
Generic	100%			2044		**		
Counter Weight Ropes & Gu								
Generic	100%	Now	\$17,300	2069		**		
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Guide Rails</i>					
			<i>Explanation : Some Dry Spots On Ropes And Rails. Contractor In Process Of Adding Lube.</i>					
Counter Weight								
Auxiliary CTRWT	100%			2069		**		
Main CTRWT	100%	0-2	\$61,100	2069		**		
			<i>Other Observation, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Top</i>					
			<i>Explanation : Pigeon Droppings On And Around Top.</i>					

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**ROOSEVELT ISLAND BRIDGE E RIVER EAST CHAN/ROOSEVELT ISLD**

**Asset # : 2477**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Vertical Lift								
Elevators								
Generic	100%	Now	\$235,200	2044			**	
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : East And West Towers</i>								
<i>Explanation : No Operation Was Observed. Elevators Reported Not To Work.</i>								
Emergency Drive								
Emergency Power	100%	Now	\$21,300	2069			**	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Machinery And Generator Rooms</i>								
<i>Explanation : No Operation Observed. Actuator Mount May Require Adjustment. Generator Reported Not To Be Working</i>								
End Locks								
With Motor	100%	Now	\$18,600	2069			**	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Tower Piers</i>								
<i>Explanation : End Locks Not Accessible. Some Corrosion Observed From Roadway.</i>								
Fuel Tanks								
Generic	100%	Now	\$300	2049			**	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Fuel Tank/ Generator Room</i>								
<i>Explanation : Wire Harness Is Loose At Top Of Fitting. Some Areas Of Tank And Frame Do Not Bear On Concrete</i>								
Houses								
Access Ways	20%	Now	\$7,000	2044			**	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Access To Locks</i>								
<i>Explanation : Accessway Hatch To Lock Platforms Problematic. Repairs Needed.</i>								
Access Ways	80%	Now	\$27,800	2044			**	
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Tower Accessways</i>								
<i>Explanation : Tops Of Tower Accessways Covered In Pigeon Droppings. Corroded Grating And Missing Safety Chains At Some Access Points.</i>								
Control House	100%	Now	\$15,000	2069			**	
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Control House</i>								
<i>Explanation : Fire Alarm Reported Not To Be Working</i>								
Main Drive System								
Generic	30%	Now	\$46,600	2069			**	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Machinery Rooms</i>								
<i>Explanation : Minor Lubricant Leakage. Loose Inspection Cover Bolt. Brakes May Require Adjustment. Slight Rubbing Of Covers.</i>								
Generic	70%			2069			**	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ROOSEVELT ISLAND BRIDGE E RIVER EAST CHAN/ROOSEVELT ISLD**  
**Asset # : 2477**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Vertical Lift	Sheaves							
	Generic	100%			2069			**
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Sheaves</i>								
<i>Explanation : Sheaves Make Noise During Operation. Noise Should Be Monitored On All Sheaves.</i>								
Structural Bearings	Generic	100%	Now	\$600	2044			**
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Expansion Live Load Bearings</i>								
<i>Explanation : One Expansion Bearing Rocker Observed To Be Frozen In A Slightly Tilted Position.</i>								
Traffic Devices	Barrier Gate	100%	Now	\$33,900	2044			**
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : Missing Gate Arm Locking Latches On Housings. Some Adjustments Required.</i>								
	Warning Gate	100%			2044			**

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Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : THIRD AVE. BRIDGE RAMP TO BRUCKNER BLVD/RELIEF  
**Address** : HARLEM RIVER, HARLEM RIV DR.  
**Borough** : MANHATTAN:BX. **Agency's Number** : N/A  
**Program / Asset #** : DOT0041.0A0 / 4320 **Yr Built/Renovated** : 2006 /  
**Area Sq Ft** : 11,100 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 28-Nov-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 224006A

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$269,800	\$219,700
<b>Total</b>	<b>\$269,800</b>	<b>\$219,700</b>
Importance Code A	\$159,900	\$109,900
Importance Code B	\$109,900	\$109,900
<b>Total</b>	<b>\$269,800</b>	<b>\$219,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$79,800		\$28,700	
<b>Total</b>	<b>\$79,800</b>		<b>\$28,700</b>	
Importance Code A	\$36,700		\$17,700	
Importance Code B	\$20,000		\$11,000	
Importance Code C	\$23,200			
<b>Total</b>	<b>\$79,800</b>		<b>\$28,700</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**THIRD AVE. BRIDGE RAMP TO BRUCKNER BLVD/RELIEF**

**Asset # : 4320**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	**			
Backwall								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2049	**			
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Stem (breastwall)								
Concrete	100%			LIFE	**			
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	69%	4+	\$8,100	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	31%			LIFE	**			
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Approaches								
Pavement								
Asphalt	100%	4+	\$5,400	2030	**	4	\$1,900	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	100%	4+	\$9,700	2038	**	4	\$21,300	
<i>Cracks, Extent : Light, Area Affected : 4%</i>								
<i>Location : End Approach Slab</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Railings/Parapets								
Concrete	100%			2038	**	4	\$3,600	
Piers								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**THIRD AVE. BRIDGE RAMP TO BRUCKNER BLVD/RELIEF**

**Asset # : 4320**

Bridge Structure		Current 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>Piers</b>								
Cap Beam Concrete	100%			LIFE	**			
Pier,Columns Concrete	100%			LIFE	**			
Stem,Solid Pier Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads Elastomeric	100%			2049	**			
Footings Not Accessible	100%							
Pedestals Concrete	100%			LIFE	**			
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
Mono Deck Surface Concrete	100%			2049	**	5	\$63,200	
Railings/Parapets Concrete	100%			2038	**	4	\$9,800	
Scupper Cast Iron	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Total Of 5 Scuppers</i>								
<b>Superstructure</b>								
Deck,Structural Concrete	100%	4+	\$50,100	LIFE	**	5	\$14,100	
<i>Efflorescence, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Spans, Except At Deck Overhangs</i>								
<i>Explanation : Stay-In-Place Forms Used With Concrete Deck</i>								
Joints Generic	100%			LIFE	**			
Primary Member Steel	100%			LIFE	**	2-8	\$351,700	
Secondary Member Steel	100%			LIFE	**	2-8	\$301,800	

*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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : THIRD AVE. BRIDGE THIRD AVE BRIDGE/HARLEM RIVER  
**Address** : HARLEM RIVER, HARLEM RIV DR.  
**Borough** : MANHATTAN:BX. **Agency's Number** : N/A  
**Program / Asset #** : DOT0041.090 / 4319 **Yr Built/Renovated** : 2005 /  
**Area Sq Ft** : 79,900 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 14-Feb-2018 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240069

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$1,779,200	\$2,216,000
Bridge Electrical		\$243,500
<b>Total</b>	<b>\$1,779,200</b>	<b>\$2,459,600</b>
Importance Code A	\$941,700	\$941,700
Importance Code B	\$790,800	\$1,034,300
Importance Code C	\$46,700	\$483,500
<b>Total</b>	<b>\$1,779,200</b>	<b>\$2,459,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$527,100		\$166,800	
Bridge Electrical	\$3,700	\$1,200	\$1,200	\$1,200
Bridge Mechanical	\$66,900			
<b>Total</b>	<b>\$597,600</b>	<b>\$1,200</b>	<b>\$168,000</b>	<b>\$1,200</b>
Importance Code A	\$343,000		\$87,500	
Importance Code B	\$214,500	\$1,200	\$80,500	\$1,200
Importance Code C	\$40,100			
<b>Total</b>	<b>\$597,600</b>	<b>\$1,200</b>	<b>\$168,000</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**THIRD AVE. BRIDGE THIRD AVE BRIDGE/HARLEM RIVER**

**Asset # : 4319**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	**			
Backwall								
Concrete	100%	2-4	\$17,100	LIFE	**			
		<i>Spalling, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Beginning Abutment</i>						
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2059	**			
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	**			
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Stem (breastwall)								
Concrete	100%			LIFE	**			
Walls								
Concrete	100%			LIFE	**			
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Generic	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE	**			
Feature Crossed								
Bank Protection								
Concrete	100%			LIFE	**			
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	100%			LIFE	**			
Approaches								
Pavement								
Concrete	100%			2044	**	4	\$69,200	
Embankment								
Earth	100%			LIFE	**			
Generic	100%			LIFE	**			
Guide Railing								
Concrete	100%			2044	**	4	\$10,300	
Steel	100%			LIFE	**	2-8	\$29,700	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**THIRD AVE. BRIDGE THIRD AVE BRIDGE/HARLEM RIVER**

**Asset # : 4319**

Bridge Structure		Current 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>Approaches</b>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE	**			
<b>Piers</b>								
Cap Beam								
Concrete	100%			LIFE	**			
Pier,Columns								
Concrete	100%			LIFE	**			
Stem,Solid Pier								
Concrete	100%			LIFE	**			
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Pier 2</i>					
			<i>Explanation : Crash Wall Removed During Rehabilitation</i>					
<b>Deck Elements</b>								
Guide Railing								
Concrete	100%			2049	**			
Steel	100%			LIFE	**			
Mono Deck Surface								
Concrete	100%			2059	**	5	\$220,800	
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$350,700	
Sidewalks								
Concrete	100%	4+	\$46,700	2039	**	5	\$15,700	
			<i>Cracks, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Spans 1, 2, 4, 10 And 11</i>					
Wearing Surface								
Concrete	100%			2044	**	5	\$262,700	
<b>Superstructure</b>								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$160,300	
Joints								
Steel	100%			LIFE	**			
Generic	100%			LIFE	**			
Primary Member								
Prestressed Concrete	100%			LIFE	**			
Box Beam								
			<i>Other Observation, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Span 8 Only</i>					
			<i>Explanation : Span 8</i>					
Steel	100%			LIFE	**	2-8	\$2,531,700	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$2,172,100	

**Movable Bridges**

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

*Estimates are rounded to the nearest hundred dollars.*

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**THIRD AVE. BRIDGE THIRD AVE BRIDGE/HARLEM RIVER**

**Asset # : 4319**

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

Movable Bridges

Swing Span Truss

Steel

100%

LIFE

\*\*

Swing Span Pivot Pier

Concrete

100%

LIFE

\*\*

*Other Observation, Extent : Moderate, Area Affected : 5%*

*Location : Pier 5*

*Explanation : Pier 5 Exhibits Longitudinal Crack*

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

Communication Electrical

Intercom

Generic

100%

2029

\$15,000

Telephone

Desk Top

100%

2029

Jack

Telephone

100%

2029

Control System Electrical

Computer

PLC

100%

2029

\$25,800

Control Console

Stainless Steel

100%

Now

\$1,900

LIFE

\*\*

*Broken/Missing Elements, Extent : Light, Area Affected : 10%*

*Location : Control Desk*

Control Devices

Relay

100%

2049

\*\*

Disconnect Switch

Non Fused

100%

2049

\*\*

Limit Switch

Lever

100%

2029

\$3,600

Rotary

100%

2029

Local Starter

Magnetic

100%

2049

\*\*

Drive

Grating Motor

Generic

100%

2059

\*\*

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

*Location : Machine Room*

*Explanation : Grating Motor Used In Place Of Main Motor.*

Machinery Brake

Thruster

100%

2059

\*\*

Motor Brake

Thruster

100%

2059

\*\*

Note : All component repairs \$ estimates are in current dollars and are not 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**THIRD AVE. BRIDGE THIRD AVE BRIDGE/HARLEM RIVER**

**Asset # : 4319**

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Drive								
Span Lock Motor								
Generic	90%			2059	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Span Locks</i>								
<i>Explanation : Span Locks Used For End Lifts Description.</i>								
Generic	10%	Now	\$600	2059	**			
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Span Locks</i>								
<i>Explanation : West End Lift Motor Junction Box Broken</i>								
Wedge Motor								
Generic	100%			2059	**			
Electrical Power								
MCC								
Generic	100%			2049	**			
Panelboard								
Circuit Breaker	100%			2049	**	1	\$6,700	
Transfer Switch								
Auto	100%			2049	**			
Transformer								
Dry	100%			2049	**			
Exterior Lighting								
Lighting Contactor								
Generic	100%			2049	**	1	\$5,600	
Lighting Fixture								
HID	100%			2029	\$6,500			
Spot Lighting								
Generic	100%			2029				
Ground/Lightning Protection								
Ground Bus								
Copper	100%			2034	**			
Ground Rod								
Not Accessible	100%							
Ground Wire								
Green	100%			2034	**			
Interior Lighting								
Exit Lighting								
Battery Operated	100%			2034	**			
Lighting Fixture								
Incandescent	100%			2029	\$3,400			
Navigation Lighting								
Fender Lighting								
Incandescent	100%			2029	\$9,100			
Pier Lighting								
Incandescent	100%			2029	\$3,000			
Span Lighting								
Incandescent	100%			2029	\$7,300			

**Raceway**

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

*Estimates are rounded to the nearest hundred dollars.*

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**THIRD AVE. BRIDGE THIRD AVE BRIDGE/HARLEM RIVER**

**Asset # : 4319**

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Raceway								
Box								
Pull Junction	100%			2039		**		
Terminal	100%			2039		**		
Conduit								
Metal	100%			2069		**		
Submarine Control Cables								
Control	100%			2034		**		
Submarine Power Cable								
Power	100%			2034		**		
Trough								
Metal	100%			2069		**		
Wires								
Thermoplastic	100%			2049		**		
Span Lock								
Motor								
Squirrel Cage	100%			2044		**		
Stand-by Power								
Transfer Switch								
Auto	100%			2049		**		
Traffic System Electrical								
Barrier Gate Lighting								
Incandescent	100%			2029	\$15,200			
Traffic Gate Lighting								
Incandescent	100%			2029	\$15,200			
Traffic Gong								
Generic	100%			2029	\$7,800			
Traffic Sign								
Fixed	100%			2029				
Traffic Signal								
Generic	100%			2029	\$243,500			

<b>Bridge Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Swing								
Center Latch								
Generic	100%	Now	\$3,600	2069		**		
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Center Latches</i>								
<i>Explanation : One Loose Limit Switch Arm</i>								
Center Lift								
Generic	100%	Now	\$23,800	2069		**		
<i>Other Observation, Extent : Severe, Area Affected : 2%</i>								
<i>Location : North And South Center Wedges</i>								
<i>Explanation : Minor Corrosion And Lubricant Leakage. One Limit Switch Not Installed.</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**THIRD AVE. BRIDGE THIRD AVE BRIDGE/HARLEM RIVER**

**Asset # : 4319**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Swing								
Center Pivot Generic	100%			2069		**		
Emergency Drive Not Accessible	100%							
End Lift Generic	100%	Now	\$15,600	2069		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : East And West Rest Piers</i>								
<i>Explanation : Some Coverage Of Debris And Minor Corrosion. Some Repairs And Adjustments Needed.</i>								
Fuel Tanks Generic	100%			2049		**		
Houses								
Access Ways	100%	Now	\$4,800	2069		**		
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : East And West Rest Piers</i>								
<i>Explanation : Hatches At Rest Pier End Lift Need To Be Repaired</i>								
Control House	100%	Now	\$17,400	2069		**		
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bathroom</i>								
<i>Explanation : Bathroom Not Functioning. Floor Need Repair.</i>								
Machinery Room	100%			2069		**		
Main Drive System								
Generic	100%			2069		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Center Of Swing Span</i>								
<i>Explanation : Breathers Will Need To Be Changed Soon. Loose Covers, Minor Lube Leaks.</i>								
Structural Bearings								
Generic	100%			2044		**		
Traffic Devices								
Barrier Gate	100%	Now	\$1,400	2044		**		
<i>Other Observation, Extent : Severe, Area Affected : 1%</i>								
<i>Location : East And West Barrier Gates</i>								
<i>Explanation : Loose Crash Gate Wire Anchor Base Nuts</i>								
Warning Gate	75%			2044		**		
Warning Gate	25%	Now	\$300	2044		**		
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North West Gate</i>								
<i>Explanation : Bent Guy Wire Frame</i>								

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

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : UNIONPORT BRIDGE BRUCKNER EXPRESSWAY SERVICE ROAD  
**Address** : WESTCHESTER CREEK  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0140.000 / 4244 **Yr Built/Renovated** :  
**Area Sq Ft** : 4,900 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 23-May-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 1066510

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$3,322,000	\$277,900
Bridge Electrical	\$1,826,900	\$177,300
Bridge Mechanical	\$1,479,000	\$5,122,600
<b>Total</b>	<b>\$6,627,900</b>	<b>\$5,577,700</b>
Importance Code A	\$2,999,700	\$51,400
Importance Code B	\$3,628,100	\$5,299,900
Importance Code C		\$226,400
<b>Total</b>	<b>\$6,627,900</b>	<b>\$5,577,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$92,500	\$3,000	\$4,500	
Bridge Mechanical	\$98,100			
<b>Total</b>	<b>\$190,600</b>	<b>\$3,000</b>	<b>\$4,500</b>	
Importance Code A	\$7,000		\$800	
Importance Code B	\$139,500			
Importance Code C	\$44,000	\$3,000	\$3,700	
<b>Total</b>	<b>\$190,600</b>	<b>\$3,000</b>	<b>\$4,500</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**UNIONPORT BRIDGE BRUCKNER EXPRESSWAY SERVICE ROAD**

**Asset # : 4244**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	0-2	\$22,800	LIFE		**		
<i>Joints Missing, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Begin Abutment</i>								
<i>Leakage, Extent : Severe, Area Affected : 20%</i>								
<i>Location : At Begin Abutment Stem</i>								
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Stem (breastwall)								
Concrete	100%	4+	\$143,000	LIFE		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Begin Abutment</i>								
<i>Delaminations, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Begin Abutment</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Begin Abutment</i>								
Walls								
Concrete	100%			LIFE		**		
Feature Crossed								
Bank Protection								
Riprap	100%			LIFE		**		
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	100%	Now	\$94,900	LIFE		**		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Piers 8 And 9.</i>								
<i>Rotted, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Piers 8 And 9.</i>								
Approaches								
Pavement								
Asphalt	100%			2026	\$226,400	4	\$7,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : End Approach Only.</i>								
<i>Explanation : End Approach Only.</i>								
Curbs								
Concrete	100%			LIFE		**		
Concrete w/ Steel Face	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Left Side End Approach</i>								
<i>Explanation : Left Side End Approach</i>								
Embankment								
Earth	100%			LIFE		**		
Guide Railing								
Steel	100%			LIFE		**	2-8	\$5,800

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**UNIONPORT BRIDGE BRUCKNER EXPRESSWAY SERVICE ROAD**

**Asset # : 4244**

Bridge Structure		Current 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>Approaches</b>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
<b>Sidewalks</b>								
Concrete	100%			LIFE	**			
<b>Piers</b>								
<b>Cap Beam</b>								
Concrete	65%			LIFE	**			
Concrete	35%	0-2	\$151,100	LIFE	**			
<i>Leakage, Extent : Severe, Area Affected : 50%</i>								
<i>Location : At Cap Beam 1, 3, 5, 7, 10, 12, 14, 16</i>								
<i>Spalling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Cap Beams 12, 14, 16 Right Side</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Piers 1, 3, 5, 7, 10, 12, 14, 16.</i>								
<i>Explanation : Cap Beams Spalling And Cracking</i>								
<b>Pier,Columns</b>								
Concrete	70%			LIFE	**			
Concrete	30%	0-2	\$84,300	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Piers 1, 3, 7, 13, 14, And 16</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Piers 1, 3, 7, 13, 14, And 16</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Piers 1, 3, 7, 13, 14, And 16</i>								
<b>Stem,Solid Pier</b>								
Concrete	100%			LIFE	**			
<b>Brngs,Ancr Blts,Pads</b>								
Steel	100%			LIFE	**	2-8	\$8,000	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 7, 8, 9, 10 And 15.</i>								
<i>Explanation : Spans 7, 8, 9, 10 And 15.</i>								
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%	0-2	\$5,900	LIFE	**			
<i>Erosion, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Under Spans 10, 11, 12 And 14</i>								
<b>Pedestals</b>								
Concrete	100%	0-2	\$18,600	LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Pier 9</i>								
<i>Explanation : Pier 8 And 9</i>								
<b>Deck Elements</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**UNIONPORT BRIDGE BRUCKNER EXPRESSWAY SERVICE ROAD**

**Asset # : 4244**

Bridge Structure		Current 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>Deck Elements</b>									
<b>Curbs</b>									
Concrete	100%			2045	**				
Concrete w/ Steel Face	100%	Now	\$800	LIFE	**				
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Span 17 Left Side</i>									
<i>Explanation : Steel Plate Loose At End Abutment.</i>									
<hr/>									
<b>Median</b>									
Concrete	100%			LIFE	**	5	\$400		
<hr/>									
<b>Mono Deck Surface</b>									
Concrete	90%			2035	**	5	\$26,600		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>									
<i>Location : Spans 6 - 8 And 10 - 12.</i>									
<i>Explanation : Spans 6 - 8 And 10 - 12.</i>									
Concrete	10%	2-4	\$1,400	2035	**	5	\$13,300		
<i>Cracks, Extent : Moderate, Area Affected : 40%</i>									
<i>Location : Spans 6, 7, 8, 10 Through 12</i>									
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Spans 6, 7, 8, 10 Through 12</i>									
<i>Explanation : Numerous Patched Potholes,</i>									
<hr/>									
<b>Railings/Parapets</b>									
Concrete	100%			2040	**	4			
Steel	95%			LIFE	**	2-8	\$4,300		
Steel	5%	4+	\$300	LIFE	**	2-8	\$4,300		
<i>Corrosion, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Spans 8 And 10</i>									
<hr/>									
<b>Sidewalks</b>									
Asphalt	100%	Now	\$900	2020	\$4,700	4	\$2,200		
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Span 9</i>									
<i>Explanation : Missing Asphalt Pavers.</i>									
Concrete	90%			2030	**	5	\$600		
Concrete	10%	4+	\$200	2030	**	5	\$300		
<i>Cracks, Extent : Light, Area Affected : 40%</i>									
<i>Location : Spans 8, 13, 14, And 16.</i>									
<hr/>									
<b>Wearing Surface</b>									
Asphalt	90%			2026	\$30,200	5	\$6,000		
Asphalt	10%	0-2	\$300	2030	**	5	\$3,000		
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Spans 5 Left Side, Westbound.</i>									
<i>Explanation : Potholes And Uneven Asphalt Patches</i>									
<hr/>									
<b>Superstructure</b>									
<b>Deck, Structural</b>									
Concrete	100%	4+	\$189,900	LIFE	**	5	\$5,500		
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Spans 8, 10,</i>									

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**DEPARTMENT OF TRANSPORTATION - 841**  
**UNIONPORT BRIDGE BRUCKNER EXPRESSWAY SERVICE ROAD**

**Asset # : 4244**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Joints								
Steel	60%			LIFE			**	
Steel	40%	Now	\$22,800	LIFE			**	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Spans 1, 3, 5, 7, 10, 12, 14 And 16</i>								
<i>Leakage, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Spans 1, 3, 5, 7, 10, 12, 14 And 16</i>								
Primary Member								
Concrete	70%			LIFE		5	\$25,700	**
Concrete	30%	2-4	\$375,000	LIFE		5	\$25,700	**
<i>Cracks, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Spans 1 Through 7 And 11 Through 17</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Spans 1 Through 7 And 11 Through 17</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Spans 1 Through 7 And 11 Through 17</i>								
Secondary Member								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Spans 8 And 10.</i>								
Movable Bridges								
Bascule Span								
Steel	50%			LIFE			**	
Steel	50%	2-4	\$1,801,400	LIFE			**	
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Span 9</i>								
<i>Explanation : Steel Section Loss And Corrosion Holes. Cracked Steel Grating Panel. Poor Condition Of Right Sidewalk.</i>								
Bascule Span Pier								
Concrete	100%	2-4	\$482,500	LIFE			**	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bascule Span Piers</i>								
<i>Explanation : Spalls And Cracks</i>								

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Communications								
Generic	100%	Now	\$36,100	2025	\$36,100			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Numerous Locations</i>								
<i>Explanation : System Not Operational</i>								
Control System Electrical								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**UNIONPORT BRIDGE BRUCKNER EXPRESSWAY SERVICE ROAD**

**Asset # : 4244**

Bridge Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Control System Electrical								
Control Console								
Stainless Steel	100%	Now	\$57,400	LIFE			**	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : On Console</i>								
<i>Explanation : Bridge Fully Open Indications Do Not Illuminate, Nameplates Barely Legible</i>								
Disconnect Switch								
Generic	100%	4+	\$39,200	2045			**	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Various</i>								
<i>Explanation : Disconnect Switches Are Not All Operable</i>								
Limit Switch								
Generic	100%	0-2	\$39,800	2045			**	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : East And West Leaves</i>								
<i>Explanation : Limit Switch Housing Severely Corroded</i>								
Electrical Power								
Dist Equip & Motor Controll								
Generic	100%	0-2	\$467,600	2045			**	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Not Osha Compliant, No Replacement Parts Available</i>								
Raceway								
Submarine Control Cables								
Not Accessible	100%							
Wiring								
Generic	100%	0-2	\$1,009,500	2030			**	
<i>Other Observation, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Various</i>								
<i>Explanation : Conduit Is Corroded. Wiring Is Damaged.</i>								
Traffic System Electrical								
Traffic Signal								
Generic	100%	Now	\$42,400	2025	\$141,200			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Approaches</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Approaches</i>								
<i>Explanation : Some Bulbs Need Replacement</i>								
Lighting								
Lighting Devices								
Generic	100%	Now	\$50,500	2023	\$84,200			
<i>Other Observation, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Various</i>								
<i>Explanation : Various Service Lighting Fixtures Are Broken/ Missing</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**UNIONPORT BRIDGE BRUCKNER EXPRESSWAY SERVICE ROAD**

**Asset # : 4244**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Bascule								
Counter Weight Generic	100%	Now	\$26,800	2040		**		
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Counter Weights</i>								
<i>Explanation : Blocks On Top Of West Counter Weight Are Not Secured</i>								
Emergency Drive								
Emergency Power	100%	Now	\$5,400	2028	\$107,200			
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Auxiliary Drives</i>								
<i>Explanation : No Operation Observed. Need To Perform Maintenance, Repairs And Test Auxiliary Drive.</i>								
Manual	100%	Now	\$29,400	2028	\$146,800			
<i>Other Observation, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Manual Drive Components</i>								
<i>Explanation : No Operation Observed. Covered In Pigeon Droppings And Appears To Be Frozen</i>								
Fuel Tanks								
Generic	100%	Now	\$600	2030		**		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Operators House</i>								
<i>Explanation : Slight Leakage Noted On Top Fittings, Bottom Not Accessible</i>								
Houses								
Access Ways	80%	4+	\$29,500	2028	\$147,500			
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : Span Drive Machinery</i>								
<i>Explanation : Mild Corrosion.</i>								
Access Ways	20%	Now	\$18,400	2028	\$36,900			
<i>Other Observation, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Center Locks</i>								
<i>Explanation : Corrosion Of Access Platforms And Covered In Pigeon Droppings.</i>								
Control House	100%	Now	\$28,300	2040		**		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Control And Tender Houses</i>								
<i>Explanation : Some Window Leak. Reported That Ac Unit Does Not Cool Room.</i>								
Machinery Room	100%	Now	\$7,700	2040		**		
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Machinery Rooms</i>								
<i>Explanation : Some Broken Locks. Some Small Floor Panels Replaced With Plywood. Some Pigeon Droppings.</i>								
Lock Bars								
With Motor	100%	Now	\$236,400	2028	\$472,700			
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Lock Bar Machinery</i>								
<i>Explanation : Not Accessible From Platform. Machinery Is Covered In Debris, Corroded And Is In Poor Condition. Some Binding</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**UNIONPORT BRIDGE BRUCKNER EXPRESSWAY SERVICE ROAD**

**Asset # : 4244**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Bascule								
Main Drive System								
Generic	100%	Now	\$353,600	2028	\$3,535,800			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Machinery Room</i>								
<i>Explanation : One Brake Not Functioning. Lubricant Leakage. Some Corrosion. Some Bolts Have Heavy Corrosion/ Loss</i>								
Rack								
Generic	100%	2-4	\$48,200	2040			**	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Racks</i>								
<i>Explanation : Some Corrosion</i>								
Structural Bearings								
Not Accessible	100%							
Traffic Devices								
Barrier Gate								
	100%	Now	\$166,800	2028	\$417,100			
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : Some Latches Missing Or Not Functioning. Some Cracks On Gate Arm. Paint Required. One Bent Housing</i>								
Warning Gate								
	100%	Now	\$51,700	2028	\$258,700			
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Warning Gates</i>								
<i>Explanation : Some Broken/missing Hardware. Missing Covers On Open Holes. Painting Required</i>								
Trunnion								
Generic	100%	Now	\$574,400	2040			**	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Trunnions</i>								
<i>Explanation : Machinery Covered In Debris/ Corrosion. Reported That It Is Difficult To Grease. Missing Limit Switch Gear Bolt</i>								

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : W 207 ST / UNIVERSITY HEIGHTS BR  
**Address** : W 207 ST/W FORDHAM ROAD  
**Borough** : MANHATTAN:BX. **Agency's Number** : N/A  
**Program / Asset #** : DOT0139.000 / 4243 **Yr Built/Renovated** :  
**Area Sq Ft** : 19,700 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 04-May-2010 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240120

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure		\$1,040,700
Bridge Electrical	\$1,844,100	\$677,200
Bridge Mechanical	\$140,700	
<b>Total</b>	<b>\$1,984,800</b>	<b>\$1,717,900</b>
Importance Code A		\$183,200
Importance Code B	\$1,984,800	\$832,200
Importance Code C		\$702,500
<b>Total</b>	<b>\$1,984,800</b>	<b>\$1,717,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$28,100		\$80,800	
Bridge Electrical	\$66,300			
Bridge Mechanical	\$63,900	\$9,000		\$9,000
<b>Total</b>	<b>\$158,400</b>	<b>\$9,000</b>	<b>\$80,800</b>	<b>\$9,000</b>
Importance Code A	\$7,900		\$18,700	
Importance Code B	\$149,400	\$9,000	\$16,500	\$9,000
Importance Code C	\$1,000		\$45,500	
<b>Total</b>	<b>\$158,400</b>	<b>\$9,000</b>	<b>\$80,800</b>	<b>\$9,000</b>



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**DEPARTMENT OF TRANSPORTATION - 841**  
**W 207 ST / UNIVERSITY HEIGHTS BR**  
**Asset # : 4243**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals								
Masonry	100%			LIFE	**			
Backwall								
Masonry	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**			
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Stem (breastwall)								
Masonry: Granite	100%			LIFE	**			
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Granite	100%			LIFE	**			
<b>Feature Crossed</b>								
Bank Protection								
Concrete	100%			LIFE	**			
Riprap	100%			LIFE	**			
Timber	100%			2029	\$354,800			
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	85%			LIFE	**			
Timber	15%	0-2	\$19,200	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Pier 3</i>								
<i>Rotted, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Pier 3</i>								
<i>Split/Dry/Cracked, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Pier 3</i>								
<b>Approaches</b>								
Pavement								
Concrete	100%			2034	**	4	\$23,600	
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Guide Railing								
Steel	95%			LIFE	**	2-8	\$5,800	
Steel	5%	0-2	\$300	LIFE	**	2-8	\$5,800	
<i>Damaged Railing, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Begin Right Approach</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**W 207 ST / UNIVERSITY HEIGHTS BR**  
**Asset # : 4243**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Sidewalks								
Concrete	95%			LIFE	**			
Concrete	5%	4+	\$100	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Underside Of Sidewalk. Overhang And At Top.</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Underside Of Sidewalk. Overhang.</i>								
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
Steel	100%			LIFE	**	2-8		
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$28,500	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Pier 1</i>								
Stem,Solid Pier								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2047	**			
Steel	100%			LIFE	**	2-8	\$65,200	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE	**			
Steel	100%			LIFE	**			
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Spans 1, 2, And 5.</i>								
<i>Explanation : Spans 1, 2, And 5.</i>								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Spans 2 And 3</i>								
<i>Explanation : Spans 2 And 3</i>								
Guide Railing								
Steel	95%			LIFE	**			
Steel	5%	4+	\$2,200	LIFE	**			
<i>Damaged Railing, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Span 4 Left Side</i>								
Mono Deck Surface								
Concrete	100%			2047	**	5	\$67,500	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**W 207 ST / UNIVERSITY HEIGHTS BR**  
**Asset # : 4243**

Bridge Structure		Current 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>Deck Elements</b>								
Railings/Parapets								
Cast Iron	90%			LIFE	**			
Cast Iron	5%	4+	\$3,900	LIFE	**			
<i>Corrosion, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Right Pedestrian Railing Spans 1- 5.</i>								
Cast Iron	5%	Now	\$1,500	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Spans 2 And 5.</i>								
<b>Sidewalks</b>								
Concrete	100%			2029	\$179,200	5	\$6,000	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Spans 1 And 5</i>								
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Spans 1 And 5.</i>								
Grating w/ Concrete	100%			2047	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Spans 3 And 4.</i>								
<i>Explanation : Spans 3 And 4.</i>								
<b>Wearing Surface</b>								
Asphalt	100%			2025	\$94,500	5	\$1,900	
Concrete	100%			2034	**	5	\$74,100	
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Spans 3 And 4.</i>								
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Concrete	100%			LIFE	**	5	\$2,200	
Grating w/ Concrete	100%			LIFE	**			
<b>Joints</b>								
Steel	100%			LIFE	**			
Generic	100%			LIFE	**			
<b>Primary Member</b>								
Steel	100%			LIFE	**	2-8	\$289,500	
<i>Corrosion, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Spans 1, 2 And 5</i>								
<b>Secondary Member</b>								
Steel	100%			LIFE	**	2-8	\$242,500	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Spans 1, 2 And 5.</i>								
<b>Movable Bridges</b>								
<b>Swing Span Truss</b>								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Spans 3 And 4.</i>								
<i>Explanation : Localized Corrosion With Section Loss In Primary And Secondary Members.</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**W 207 ST / UNIVERSITY HEIGHTS BR**  
**Asset # : 4243**

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

## Movable Bridges

Swing Span Pivot Pier  
Concrete

100%

LIFE

\* \*

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

*Location : Pier 3*

*Explanation : Has Masonry Facade.*

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

## Communication Electrical

Communications

Generic

100%

Now

\$10,800

2021

\$36,100

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

*Location : Entire System*

*Explanation : Not Functional.*

## Control System Electrical

Control Console

Stainless Steel

100%

LIFE

\* \*

Disconnect Switch

Generic

100%

2034

\* \*

Limit Switch

Generic

100%

2034

\* \*

## Electrical Power

Dist Equip &amp; Motor Controll

Generic

100%

Now

\$29,700

2026

\$593,700

*Other Observation, Extent : Light, Area Affected : 50%*

*Location : Motors 1 And 3*

*Explanation : Motors 1 And 3 Not Operational.*

## Raceway

Collector Ring

Metal

100%

2-4

\$16,700

2029

\$83,500

*Other Observation, Extent : Light, Area Affected : 20%*

*Location : Rim Bearing Lower Level*

*Explanation : Colletor Shoes Are Slightly Corroded*

Submarine Control Cables

Control

100%

2020

Wiring

Generic

100%

2020

\$1,563,800

## Traffic System Electrical

Traffic Signal

Generic

100%

Now

\$7,000

2020

\$139,200

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

*Location : All Gongs*

*Explanation : Gongs Are Not Operational.*

## 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**W 207 ST / UNIVERSITY HEIGHTS BR**  
**Asset # : 4243**

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

## Lighting

## Lighting Devices

## Generic

100% Now \$2,100 2020 \$105,000

*Other Observation, Extent : Light, Area Affected : 50%*

*Location : Entire System.*

*Explanation : Several Lamps Missing Or Inoperative.*

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

## Swing

## Center Latch

## Generic

100% Now \$67,100 2049 \*\*

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

*Location : East Latch*

*Explanation : East Latch Is Not Driven. Latch Is Failed.*

## Center Pivot

## Generic

100% 2049 \*\*

## Emergency Drive

## Emergency Power

100% 2049 \*\* 2 \$44,900

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

*Location : Emergency Power*

*Explanation : No Operation Observed.*

## End Lift

## Generic

100% 4+ \$73,600 2049 \*\*

*Other Observation, Extent : Moderate, Area Affected : 20%*

*Location : End Lift Machinery*

*Explanation : Machinery Exhibits Corrosion*

## Houses

## Access Ways

90% 2049 \*\*

## Access Ways

10% Now \$4,500 2049 \*\*

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

*Location : Hatch To Center Machinery*

*Explanation : Hatch Exhibits Moderate Corrosion*

## Machinery Room

100% 2049 \*\*

## Main Drive System

## Generic

100% 4+ \$27,200 2049 \*\*

*Other Observation, Extent : Light, Area Affected : 10%*

*Location : Span Drive*

*Explanation : Accumulated Pigeon Debris On Secondary Reducer Machinery*

## Structural Bearings

## Generic

100% 2030 \*\*

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**W 207 ST / UNIVERSITY HEIGHTS BR**  
**Asset # : 4243**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Swing								
Traffic Devices								
Barrier Gate	50%			2030				**
Barrier Gate	50%	Now	\$19,300	2030				**
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Approach</i>								
<i>Explanation : Gate Arms Needed To Be Manually Interlocked At Center</i>								
Warning Gate	50%	Now	\$12,900	2030				**
<i>Other Observation, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Southeast And Southwest</i>								
<i>Explanation : Gates Are Not Lowering Fully. Concrete Missing Around Edge Of Base.</i>								
Warning Gate	50%			2030				**

Note : All component repairs \$ estimates are in current dollars and are not 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : WARDS ISLAND PEDESTRIAN BRIDGE OVER HARLEM RIVER  
**Address** : FOOT OF E. 103 ST. TO SOUTH END OF RANDALLS ISLAND  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0188.000 / 13872 **Yr Built/Renovated** :  
**Area Sq Ft** : 12,600 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 06-Feb-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240620

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$2,923,500	\$124,700
Bridge Mechanical	\$82,700	\$21,096,100
<b>Total</b>	<b>\$3,006,100</b>	<b>\$21,220,800</b>
Importance Code A		\$124,700
Importance Code B	\$3,006,100	\$21,096,100
<b>Total</b>	<b>\$3,006,100</b>	<b>\$21,220,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$400		\$13,000	\$1,500
Bridge Mechanical	\$22,600			
<b>Total</b>	<b>\$23,000</b>		<b>\$13,000</b>	<b>\$1,500</b>
Importance Code A	\$400		\$13,000	\$1,500
Importance Code B	\$22,600			
<b>Total</b>	<b>\$23,000</b>		<b>\$13,000</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**WARDS ISLAND PEDESTRIAN BRIDGE OVER HARLEM RIVER**

**Asset # : 13872**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : End Abutment</i>								
<i>Explanation : Concrete Directly In Contact With The Deck Is In Good Condition.</i>								
Mat (scour & erosion) Earth	100%			LIFE		**		
Stem (breastwall) Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : End Abutment</i>								
<i>Explanation : Concrete Stem.</i>								
Steel	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Begin Abutment.</i>								
<i>Explanation : Steel Column Stem.</i>								
<b>Wingwalls</b>								
Mat (scour & erosion) Earth	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : End Abutment</i>								
<i>Explanation : Wingwalls At End Abutment.</i>								
Walls Concrete	100%			LIFE		**		
<b>Feature Crossed</b>								
Bank Protection Masonry	100%			LIFE		**		
Pier Protection Timber	50%			LIFE		**		
Timber	50%	Now	\$2,923,500	LIFE		**		
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Pier 6</i>								
<i>Explanation : Fire Damaged Fender System Is Under Repair Now.</i>								
<b>Approaches</b>								
Pavement Asphalt	100%			2030		**	4	
<b>Piers</b>								
Cap Beam Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Pier 8</i>								
<i>Explanation : Concrete Capbeam.</i>								
Steel	100%			LIFE		**	2-8	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 1, 3, 4, And 6 Through 8.</i>								
<i>Explanation : Steel Capbeam</i>								

Note : 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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**DEPARTMENT OF TRANSPORTATION - 841**  
**WARDS ISLAND PEDESTRIAN BRIDGE OVER HARLEM RIVER**

**Asset # : 13872**

Bridge Structure		Current 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>Piers</b>								
Pier,Columns Concrete	100%			LIFE	**			
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Pier 8</i>							
	<i>Explanation : Concrete Columns.</i>							
Steel	100%			LIFE	**	2-8		
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Piers 1, 3 And 6 Through 8.</i>							
	<i>Explanation : Steel Columns.</i>							
Stem,Solid Pier Concrete	100%			LIFE	**			
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Piers 5 And 9.</i>							
	<i>Explanation : Concrete Stem</i>							
Brngs,Ancr Blts,Pads Steel	100%			LIFE	**	2-8	\$5,300	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Piers 1, 3 Through 8.</i>							
	<i>Explanation : Steel Bearings.</i>							
Mat (scour & erosion) Earth	97%			LIFE	**			
Earth	3%	0-2	\$400	LIFE	**			
	<i>Erosion, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Span 10.</i>							
Pedestals Concrete	100%			LIFE	**			
Steel	100%			LIFE	**			
<b>Piles</b>								
Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location : Piers 1, 3 And 5</i>							
	<i>Explanation : Piles Inaccessible.</i>							
<b>Deck Elements</b>								
Railings/Parapets Concrete	100%			2035	**	4	\$3,000	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Span 10 Only.</i>							
	<i>Explanation : Concrete Parapets</i>							
Steel	100%			LIFE	**	2-8	\$8,200	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Spans 1 Through 9.</i>							
	<i>Explanation : Steel Rail And Fencing.</i>							
Wearing Surface Concrete	100%			2039	**	5		
<b>Superstructure</b>								
Deck,Structural Concrete	100%			LIFE	**	5	\$13,900	

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Estimates are rounded to the nearest hundred dollars.

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WARDS ISLAND PEDESTRIAN BRIDGE OVER HARLEM RIVER**

**Asset # : 13872**

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

Superstructure

Joints

Steel	100%			LIFE		**		
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Primary Member

Steel	100%			LIFE		**	2-8	\$232,900
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Movable Bridges

Vertical Lift Span

Steel	100%			LIFE		**		
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Vertical Lift Tower

Steel	100%			LIFE		**		
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Vertical Lift Pier

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

Communication Electrical

Communications

Not Accessible	100%							
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Control System Electrical

Control Console

Metal	100%			2046		**		
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Disconnect Switch

Not Accessible	100%							
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Limit Switch

Generic	100%			2046		**		
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Electrical Power

Dist Equip & Motor Controll

Not Accessible	100%							
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Raceway

Submarine Power Cable

Not Accessible	100%							
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Wiring

Generic	100%			2031		**		
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Lighting

Lighting Devices

Generic	100%			2031		**		
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Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Vertical Lift

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WARDS ISLAND PEDESTRIAN BRIDGE OVER HARLEM RIVER**  
**Asset # : 13872**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Vertical Lift								
Counter Weight Ropes & Gu								
Generic	20%	Now	\$82,700	2029	\$4,133,000			
	<i>Other Observation, Extent : Severe, Area Affected : 75%</i>							
	<i>Location : Observed From Span, West Lower Level, No Operation Observed</i>							
	<i>Explanation : Rope Assemblies And Guides Have Some Areas Of Light Or Old Lubricant And Corrosion. Some Splay Shims And Cap Nut Missing.</i>							
Generic	80%			2029	\$16,532,200			
Counter Weight								
Main CTRWT	100%			2054	**			
	<i>Other Observation, Extent : Light, Area Affected : 50%</i>							
	<i>Location : Counterweights</i>							
	<i>Explanation : No Operations. Observed Only From Span.</i>							
Houses								
Access Ways	100%			2029	\$264,100			
	<i>Other Observation, Extent : Light, Area Affected : 90%</i>							
	<i>Location : Access Ways</i>							
	<i>Explanation : Most Of The Accessways Were Not Accessible For Observations.</i>							
Control House	100%	Now	\$14,200	2041	**			
	<i>Other Observation, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : Bridge Houses</i>							
	<i>Explanation : The Abo House Roof Leaks. Electric And Heat Has Been Shut Off.</i>							
Main Drive System								
Not Accessible	100%							
Sheaves								
Not Accessible	100%							
Traffic Devices								
Barrier Gate	100%	Now	\$8,300	2029	\$166,800			
	<i>Other Observation, Extent : Severe, Area Affected : 2%</i>							
	<i>Location : Gates</i>							
	<i>Explanation : Gate Latches Do Not Fully Engage Without Manual Assistance.</i>							

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

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : WASHINGTON BRIDGE WASHINGTON BRIDGE/HARLEM RIVER  
**Address** : W. 181ST,X-ING HARLEM RIVER  
**Borough** : MANHATTAN:BX. **Agency's Number** : N/A  
**Program / Asset #** : DOT0006.090 / 2441 **Yr Built/Renovated** : 1888 /  
**Area Sq Ft** : 133,600 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 27-Nov-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2066919

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$7,866,600	\$7,897,500
<b>Total</b>	<b>\$7,866,600</b>	<b>\$7,897,500</b>
Importance Code A	\$3,821,900	\$2,733,300
Importance Code B	\$2,183,900	\$2,644,700
Importance Code C	\$1,860,900	\$2,519,600
<b>Total</b>	<b>\$7,866,600</b>	<b>\$7,897,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$797,800		\$532,300	
<b>Total</b>	<b>\$797,800</b>		<b>\$532,300</b>	
Importance Code A	\$455,100		\$267,100	
Importance Code B	\$240,700		\$265,200	
Importance Code C	\$102,000			
<b>Total</b>	<b>\$797,800</b>		<b>\$532,300</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**WASHINGTON BRIDGE WASHINGTON BRIDGE/HARLEM RIVER**  
**Asset # : 2441**

Bridge Structure		Current 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>Abutments</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Stem (breastwall)								
Granite	75%			LIFE			**	
Granite	25%	4+	\$329,100	LIFE			**	
<i>Efflorescence, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Leakage, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Granite	70%			LIFE			**	
Granite	30%	4+	\$77,700	LIFE			**	
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Leakage, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Feature Crossed</b>								
Bank Protection								
Masonry	100%			LIFE			**	
Riprap	100%			LIFE			**	
Mat (scour & erosion)								
Generic	100%			LIFE			**	
<b>Approaches</b>								
Pavement								
Asphalt	100%	4+	\$28,900	2030		**	4	\$18,100
<i>Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Embankment								
Earth	100%			LIFE			**	
Guide Railing								
Concrete	100%	4+	\$5,600	2038		**	4	\$4,600
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Steel	100%			LIFE		**	2-8	\$9,300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Right Side Of Beginning Approach</i>								
<i>Explanation : Steel On Right Side Of Beginning Approach</i>								

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WASHINGTON BRIDGE WASHINGTON BRIDGE/HARLEM RIVER**  
**Asset # : 2441**

Bridge Structure		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>Approaches</b>								
<b>Median</b>								
Concrete	100%	4+	\$4,800	LIFE		**	5	\$900
<i>Cracks, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Railings/Parapets</b>								
Steel	100%			LIFE		**		
<i>Rust Stains, Extent : Light, Area Affected : 40%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Sidewalks</b>								
Concrete	90%			LIFE		**		
Concrete	10%	4+	\$300	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Piers</b>								
<b>Cap Beam</b>								
Masonry	100%			LIFE		**		
<b>Stem,Solid Pier</b>								
Granite	90%			LIFE		**		
Granite	10%	4+	\$172,300	LIFE		**		
<i>Efflorescence, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Leakage, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Brngs,Ancr Blts,Pads</b>								
Not Accessible	100%							
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE		**		
<b>Pedestals</b>								
Not Accessible	100%							
<b>Piles</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Guide Railing</b>								
Concrete	100%	4+	\$144,600	2042		**		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WASHINGTON BRIDGE WASHINGTON BRIDGE/HARLEM RIVER**  
**Asset # : 2441**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Deck Elements								
Median								
Concrete	100%	4+	\$101,600	LIFE	**	5	\$9,500	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Masonry	100%	4+	\$148,300	2038	**	5	\$11,800	
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Spalling</i>								
Steel	100%	4+	\$36,500	LIFE	**	2-8	\$46,700	
<i>Corrosion, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Random Locations Throughout</i>								
Sidewalks								
Concrete	100%	4+	\$16,100	2034	**	5	\$5,200	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Wearing Surface								
Asphalt	100%	4+	\$30,000	2030	**	5	\$52,000	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Rutting</i>								
Concrete	10%	0-2	\$324,200	2025	\$1,621,000	5	\$423,300	
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	90%	Now	\$1,458,900	2038	**	5	\$423,300	
<i>Delaminations, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Random Locations Throughout</i>								
Scupper								
Cast Iron	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Total Of 80 Scuppers</i>								
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$177,200	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**WASHINGTON BRIDGE WASHINGTON BRIDGE/HARLEM RIVER**  
**Asset # : 2441**

Bridge Structure		Current 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>Superstructure</b>								
<b>Joints</b>								
Steel	70%			LIFE		**		
Steel	30%	0-2	\$26,800	LIFE		**		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Loose Joint Plates, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Span 5 Westbound</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Span 5 Westbound</i>								
<i>Explanation : Joint Plate Banging Loud Under Tires Of Traffic And Cracks In The Concrete Headers, Random Locations Throughout</i>								
<hr/>								
<b>Primary Member</b>								
Steel	98%			LIFE		**		
Steel	2%	4+	\$1,043,800	LIFE		**	2-8	\$4,233,300
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
Masonry: Stone	70%			LIFE		**		
Masonry: Stone	30%	4+	\$936,100	LIFE		**		
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Leakage, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Secondary Member</b>								
Steel	75%			LIFE		**	2-8	\$3,632,000
Steel	25%	2-4	\$360,200	LIFE		**	2-8	\$2,069,000
<i>Corrosion, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : WILLIS AVE BRIDGE RAMP TO BRUCKNER BLVD.  
**Address** : E 125TH STREET OVER HARLEM RIVER TO BRUCKNER BLVD  
**Borough** : BRONX Agency's Number : N/A  
**Program / Asset #** : DOT0040.0B0 / 14727 Yr Built/Renovated :  
**Area Sq Ft** : 18,778 Project Type : WATERWAY BRIDGES  
**Date of Survey** : 24-Aug-2015 Landmark Status : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 224005B

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bridge Structure		\$427,300
<b>Total</b>		<b>\$427,300</b>
Importance Code C		\$427,300
<b>Total</b>		<b>\$427,300</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bridge Structure	\$18,300	\$5,900		
<b>Total</b>	<b>\$18,300</b>	<b>\$5,900</b>		
Importance Code A	\$11,300			
Importance Code C	\$7,000	\$5,900		
<b>Total</b>	<b>\$18,300</b>	<b>\$5,900</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**WILLIS AVE BRIDGE RAMP TO BRUCKNER BLVD.**

**Asset # : 14727**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	**			
Backwall								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2047	**			
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	**			
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Stem (breastwall)								
Concrete	100%			LIFE	**			
Walls								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Masonry: Schist / Gneiss</i>								
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Masonry: Schist/Gneiss	100%			LIFE	**			
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Approaches								
Pavement								
Asphalt	100%			2028	\$427,300	4	\$20,900	
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pavement Base								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2036	**	4	\$11,200	
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
Pier,Columns								
Concrete	100%			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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**WILLIS AVE BRIDGE RAMP TO BRUCKNER BLVD.**

**Asset # : 14727**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers								
Stem,Solid Pier Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads Elastomeric	100%			2047	**			
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Railings/Parapets Concrete	100%			2036	**	4	\$22,800	
Wearing Surface Concrete	100%			2036	**	5	\$11,700	
Scupper								
Cast Iron	100%			LIFE	**			
Superstructure								
Deck,Structural Concrete	100%			LIFE	**	5		
Joints								
Generic	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8		
Secondary Member								
Steel	100%			LIFE	**	2-8		

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : WILLIS AVE. BRIDGE FROM FDR DR/HARLEM RIVER DRIVE  
**Address** : FDR AT 125 STREET  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0040.0A0 / 4240 **Yr Built/Renovated** : 1901 / 2008  
**Area Sq Ft** : 29,900 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 22-Nov-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 224005A

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$622,200	\$622,200
<b>Total</b>	<b>\$622,200</b>	<b>\$622,200</b>
Importance Code A	\$345,700	\$345,700
Importance Code B	\$276,400	\$276,400
<b>Total</b>	<b>\$622,200</b>	<b>\$622,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$211,800		\$76,600	
<b>Total</b>	<b>\$211,800</b>		<b>\$76,600</b>	
Importance Code A	\$161,500		\$48,800	
Importance Code B	\$50,300		\$27,700	
Importance Code C				
<b>Total</b>	<b>\$211,800</b>		<b>\$76,600</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**WILLIS AVE. BRIDGE FROM FDR DR/HARLEM RIVER DRIVE**  
**Asset # : 4240**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	**			
Backwall								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2055	**			
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	**			
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Stem (breastwall)								
Concrete	100%			LIFE	**			
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE	**			
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Approaches								
Pavement								
Concrete	100%			2042	**	4		
Embankment								
Earth	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Railings/Parapets								
Concrete	100%			2042	**	4		
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$268,000	
Pier,Columns								
Concrete	100%			LIFE	**			
Stem,Solid Pier								
Masonry	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2055	**			

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WILLIS AVE. BRIDGE FROM FDR DR/HARLEM RIVER DRIVE**

**Asset # : 4240**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Piers								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Mono Deck Surface								
Concrete	100%			2049	**	5	\$14,800	
Railings/Parapets								
Concrete	100%			2038	**	4	\$28,300	
Scupper								
Cast Iron	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Total Of 8 Scuppers</i>						
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$61,500	
Joints								
Generic	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8	\$885,000	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$759,300	

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

Estimates are rounded to the nearest hundred dollars.

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : WILLIS AVE. BRIDGE MOVABLE SPAN WILLIS AVE/HARLEM RIVER  
**Address** : HARLEM RIVER, WILLIS AVE.  
**Borough** : MANHATTAN:BX. **Agency's Number** : N/A  
**Program / Asset #** : DOT0040.090 / 4239 **Yr Built/Renovated** : 2008 /  
**Area Sq Ft** : 89,289 **Project Type** : WATERWAY BRIDGES  
**Date of Survey** : 23-Feb-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240059

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bridge Structure	\$180,500	\$2,239,700
Bridge Electrical		\$1,273,900
<b>Total</b>	<b>\$180,500</b>	<b>\$3,513,700</b>
Importance Code A		\$1,175,500
Importance Code B		\$2,157,700
Importance Code C	\$180,500	\$180,500
<b>Total</b>	<b>\$180,500</b>	<b>\$3,513,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bridge Structure	\$19,100	\$65,300	\$192,100	
Bridge Electrical				
Bridge Mechanical	\$86,200		\$86,200	
<b>Total</b>	<b>\$105,300</b>	<b>\$65,300</b>	<b>\$278,300</b>	
Importance Code A		\$38,500	\$103,500	
Importance Code B	\$86,200		\$174,800	
Importance Code C	\$19,100	\$26,800		
<b>Total</b>	<b>\$105,300</b>	<b>\$65,300</b>	<b>\$278,300</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**WILLIS AVE. BRIDGE MOVABLE SPAN WILLIS AVE/HARLEM RIVER**  
**Asset # : 4239**

Bridge Structure		Current 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>Abutments</b>								
Bridge Seat&pedestals Concrete	100%			LIFE	**			
Backwall Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads Elastomeric	100%			2056	**			
Footings Not Accessible	100%							
Joint with Deck Generic	100%			LIFE	**			
Mat (scour & erosion) Not Accessible	100%							
Stem (breastwall) Concrete	100%			LIFE	**			
Granite	100%			LIFE	**			
<b>Wingwalls</b>								
Footings Not Accessible	100%							
Mat (scour & erosion) Not Accessible	100%							
Piles Not Accessible	100%							
Walls Concrete	100%			LIFE	**			
Granite	100%			LIFE	**			
<b>Feature Crossed</b>								
Bank Protection Concrete	100%			LIFE	**			
Riprap	100%			LIFE	**			
Mat (scour & erosion) Not Accessible	100%							
Pier Protection Concrete	100%			LIFE	**			
<b>Approaches</b>								
Pavement Concrete	100%			2041	**	4	\$80,500	
Curbs Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Both Approaches.</i>								
<i>Explanation : Curbs Are Incorporated Into The Barrier.</i>								
Embankment 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**WILLIS AVE. BRIDGE MOVABLE SPAN WILLIS AVE/HARLEM RIVER**  
**Asset # : 4239**

Bridge Structure		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Approaches								
Guide Railing								
Concrete	100%			2041	**	4	\$19,700	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Both Approaches.</i>								
<i>Explanation : Guide Railing Is Located On Both Sides Of The Roadway.</i>								
Steel	100%			LIFE	**	2-8	\$13,400	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Both Approaches.</i>								
<i>Explanation : Guide Railing Is Located On Both Sides Of The Roadway.</i>								
Mat (scour & erosion)								
Not Accessible	100%							
Railings/Parapets								
Concrete	100%			2041	**	4		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Both Approaches.</i>								
<i>Explanation : Pedestrian Railing Along North Side.</i>								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Both Approaches.</i>								
<i>Explanation : Pedestrian Railing Along North Side.</i>								
Sidewalks								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Both Approaches.</i>								
<i>Explanation : Sidewalk On North Side Only.</i>								
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 1 - 5, 7 - 12.</i>								
<i>Explanation : Concrete Capbeams</i>								
Steel	100%			LIFE	**	2-8	\$261,800	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 6, 13, 14.</i>								
<i>Explanation : Steel Capbeams</i>								
Pier, Columns								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 2, 3, 12 - 14.</i>								
<i>Explanation : Concrete Pier Columns.</i>								
Granite	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 1, 4 - 12.</i>								
<i>Explanation : Granite Pier Columns.</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**WILLIS AVE. BRIDGE MOVABLE SPAN WILLIS AVE/HARLEM RIVER**  
**Asset # : 4239**

Bridge Structure		Current 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>Piers</b>								
Stem,Solid Pier Granite	100%			LIFE		**		
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Pier 6</i>						
		<i>Explanation : Granite Solid Stem.</i>						
Brngs,Ancr Blts,Pads Under Construction	100%							
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE		**		
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 9 - 13.</i>						
		<i>Explanation : Earth Mat.</i>						
Pedestals Concrete	100%			LIFE		**		
<b>Deck Elements</b>								
Curbs Concrete	100%			2056		**		
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 1 - 15.</i>						
		<i>Explanation : Curb Is Integral With Traffic Barrier.</i>						
Guide Railing Concrete	100%			2046		**		
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 1 - 15.</i>						
		<i>Explanation : Guide Railing Is Located On Both Side Of The Roadway.</i>						
Steel	100%			LIFE		**		
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 1 - 15.</i>						
		<i>Explanation : Guide Railing Is Located On Both Sides Of The Roadway.</i>						
Railings/Parapets Concrete	100%			2041		**	4	\$95,700
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 1 - 15.</i>						
		<i>Explanation : Pedestrian Railing Along North Side Only.</i>						
Steel	100%			LIFE		**	2-8	\$87,600
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 1 - 15.</i>						
		<i>Explanation : Pedestrian Railing On North Side Only.</i>						
Sidewalks Concrete	100%	4+	\$19,100	2036		**	5	\$16,000
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Spans 8 - 11.</i>						
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 1 - 15.</i>						
		<i>Explanation : Sidewalk On North Side Only.</i>						

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WILLIS AVE. BRIDGE MOVABLE SPAN WILLIS AVE/HARLEM RIVER**  
**Asset # : 4239**

<b>Bridge Structure</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Deck Elements</b>								
Wearing Surface Concrete	100%			2041	**	5	\$361,000	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1 - 5, And 8 - 15.</i>								
<i>Explanation : Concrete Wearing Surface.</i>								
Steel Grating	100%			LIFE	**	5		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 6 And 7.</i>								
<i>Explanation : Steel Grating Wearing Surface.</i>								
<b>Superstructure</b>								
Deck,Structural Concrete	100%			LIFE	**	5	\$83,400	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1 - 5, And 8 - 15.</i>								
<i>Explanation : Concrete Deck.</i>								
Steel Grating	100%			LIFE	**	5	\$66,400	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 6 And 7.</i>								
<i>Explanation : Steel Grating In Swing Spans</i>								
<b>Joints</b>								
Generic	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 2, 4, 5, 7, 8, 10, 11, 13 And 14.</i>								
<i>Explanation : Joints.</i>								
Primary Member Steel	100%			LIFE	**	2-8	\$1,650,700	
Secondary Member Steel	100%			LIFE	**	2-8	\$1,382,800	
<b>Movable Bridges</b>								
Swing Span Truss Steel	100%			LIFE	**			
Swing Span Pivot Pier Concrete	100%			LIFE	**			

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Communication Electrical</b>								
Communications Generic	100%			2026	\$76,700			
<b>Control System Electrical</b>								
Computer PLC	100%			2026	\$977,500			
Control Console Stainless Steel	100%			LIFE	**			

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WILLIS AVE. BRIDGE MOVABLE SPAN WILLIS AVE/HARLEM RIVER**  
**Asset # : 4239**

<b>Bridge Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Control System Electrical								
Disconnect Switch								
Non Fused	100%			2046		* *		
Limit Switch								
Rotary	100%			2026	\$73,800			
Electrical Power								
Transfer Switch								
Auto	100%			2046		* *		
Transformer								
Dry	100%			2046		* *		
Dist Equip & Motor Controll								
Generic	100%			2046		* *		
Ground/Lightning Protection								
Ground Bus								
Copper	100%			2031		* *		
Ground Rod								
Copper	100%			2026	\$43,200			
Ground Wire								
Green	100%			2031		* *		
Copper Down Contactor	100%			2031		* *		
Lightning Terminals								
Copper	100%			2026	\$102,800			
Power Over 600V								
Service Equipment								
Fused Switch	100%			2046		* *		
Transformer								
Dry	100%			2046		* *		
Raceway								
Conduit								
Metal	100%			2066		* *		
Submarine Control Cables								
Control	100%			2031		* *		
Wires								
Thermoplastic	100%			2046		* *		
Span Lock								
Motor								
Squirrel Cage	100%			2041		* *		
Stand-by Power								
Transfer Switch								
Auto	100%			2046		* *		
Traffic System Electrical								
Barrier Gate Lighting								
Incandescent	100%			2026	\$30,700			
Traffic Gate Lighting								
Incandescent	100%			2026	\$30,700			
Lighting								
Lighting Devices								
Generic	100%			2031		* *		

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**DEPARTMENT OF TRANSPORTATION - 841**  
**WILLIS AVE. BRIDGE MOVABLE SPAN WILLIS AVE/HARLEM RIVER**  
**Asset # : 4239**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Swing								
Center Latch Generic	100%			2066	**	2	\$22,500	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Center Latches</i>								
<i>Explanation : No Operation Observed. Minor Leakage And Bar Dry. Contractor To Address.</i>								
Center Lift Generic	100%			2066	**	2	\$26,900	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Center Lift</i>								
<i>Explanation : No Operation Observed.</i>								
Center Pivot Generic	100%			2066	**	2	\$67,400	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Center Pivot</i>								
<i>Explanation : No Operation Observed. Minor Leakage And Breather Saturated. Contractor To Address.</i>								
Emergency Drive Emergency Power	100%			2066	**	2	\$44,900	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Emergency Drive Hpu</i>								
<i>Explanation : No Operation Observed. Small Crack In Hpu Engine Belt Cover. Exhaust May Need To Be Sealed. Contractor To Address.</i>								
End Lift Generic	100%			2066	**	2	\$44,900	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : End Lifts</i>								
<i>Explanation : No Operation Observed.</i>								
Fuel Tanks Generic	100%			2046	**			
Houses								
Access Ways	100%			2066	**			
Control House	100%			2066	**			
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Control House And Abo House</i>								
<i>Explanation : Control Room Door Knob Loose. No Hot Water Observed In Abo House. Contractor To Address.</i>								
HVAC	100%			2066	**			
Machinery Room	100%			2066	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Machinery Room</i>								
<i>Explanation : Small Leak In Ceiling Of Machinery Room. Fire Extinguisher Missing 1 Out Of 4 Doors. Contractor To Address.</i>								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**WILLIS AVE. BRIDGE MOVABLE SPAN WILLIS AVE/HARLEM RIVER**  
**Asset # : 4239**

Bridge Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Swing								
Main Drive System Generic	100%			2066	**	2	\$224,500	
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i> <i>Location : Operating Machinery</i> <i>Explanation : No Operation Observed. Minor Maintenance And Paint Repair Required, Some Covers Removed. Contractor To Address.</i>								
Rack								
Generic	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i> <i>Location : Rack</i> <i>Explanation : No Operation Observed. Some Spots Dry Of Lubricant. Contractor To Address</i>								
Traffic Devices								
Barrier Gate	100%			2041	**			
<i>Other Observation, Extent : Severe, Area Affected : 1%</i> <i>Location : Barrier Gates, Observed From North Sidewalk Only</i> <i>Explanation : No Operation Observed. Some Guy Wire Need Repair And Or Adjustment. Contractor To Address.</i>								
Signals	100%			2041	**			
Warning Gate	100%			2041	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i> <i>Location : Warning Gates, Observed From North Sidewalk Only</i> <i>Explanation : No Operation Observed. Some Adjustments May Be Required. Contractor To Address.</i>								

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : COAL DOCK -TIMBER PILE SUPPORTED CONCRETE PIER  
**Address** : HART ISLAND  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0128.018 / 1790 **Yr Built/Renovated** :  
**Area Sq Ft** : 7,760 **Project Type** : FERRIES  
**Date of Survey** : 02-Dec-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 5649 **Lot** : 1 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Piers	\$390,600	
<b>Total</b>	<b>\$390,600</b>	
Importance Code A	\$207,000	
Importance Code B	\$183,600	
<b>Total</b>	<b>\$390,600</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Piers	\$3,400			
<b>Total</b>	<b>\$3,400</b>			
Importance Code A				
Importance Code B	\$3,400			
<b>Total</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**COAL DOCK -TIMBER PILE SUPPORTED CONCRETE PIER**

**Asset # : 1790**

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	\$7,200	
		<i>Cracking, Extent : Light, Area Affected : 5%</i> <i>Location : Isolated Throughout</i> <i>Spalling, Extent : Light, Area Affected : 5%</i> <i>Location : Isolated Throughout</i>							
	Concrete	20%	4+	\$93,000	LIFE	**	5	\$2,900	
		<i>Spalling, Extent : Severe, Area Affected : 10%</i> <i>Location : At Loading Ramp And At Northwest Corner</i> <i>Surface Wearing/Scaling, Extent : Moderate, Area Affected : 50%</i> <i>Location : At Construction Joints On North Side Of Pier</i> <i>Other Observation, Extent : Severe, Area Affected : 80%</i> <i>Location : At Shoreline Abutment</i> <i>Explanation : Undermining</i>							
	Not Accessible	30%							
Pile Caps									
	Timber	55%			LIFE	**	4	\$33,500	
		<i>Rotting/Splitting, Extent : Light, Area Affected : 30%</i> <i>Location : Throughout</i>							
	Not Accessible	45%							
Piles and Bracing									
	Timber	30%	4+	\$114,100	LIFE	**	4-5	\$10,400	
		<i>Rotting/Splitting, Extent : Moderate, Area Affected : 60%</i> <i>Location : Trestle And Pier Head</i>							
	Timber	20%			LIFE	**	4-5	\$7,000	
		<i>Rotting/Splitting, Extent : Light, Area Affected : 40%</i> <i>Location : Throughout</i>							
	Not Accessible	50%							
Fender									
Wales and Chocks									
	Timber	65%	Now	\$64,900	2041	**	4	\$19,400	
		<i>Missing Part, Extent : Severe, Area Affected : 100%</i> <i>Location : Throughout</i>							
	No Component	35%							
Piles									
	Timber	30%	Now	\$118,700	2041	**	4	\$4,100	
		<i>Missing Part, Extent : Severe, Area Affected : 100%</i> <i>Location : Offshore End</i> <i>Rotting/Splitting, Extent : Severe, Area Affected : 75%</i> <i>Location : Offshore End</i>							
	No Component	20%							
	Not Accessible	50%							

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**COAL DOCK -TIMBER PILE SUPPORTED CONCRETE PIER**

**Asset # : 1790**

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
Fender								
	Pile Cluster							
	Timber	85%			2024		4-10	
		<i>Rotting/Splitting, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : In Tidal Zone</i>						
	Not Accessible	15%						
Deck Elements								
	Coping/Curb							
	Timber	10%	Now	\$3,400	LIFE		* *	
		<i>Missing Part, Extent : Severe, Area Affected : 50%</i>						
		<i>Location : Several Sections Throughout Pier</i>						
		<i>Rotting/Splitting, Extent : Severe, Area Affected : 50%</i>						
		<i>Location : Several Sections Throughout Pier</i>						
	Timber	90%			LIFE		* *	

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : EAST 34TH STREET FERRY PIER  
**Address** : E 35TH TO E 36TH STS EAST RIVER  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0199.020 / 14638 **Yr Built/Renovated** :  
**Area Sq Ft** : 6,446 **Project Type** : FERRIES  
**Date of Survey** : 02-Aug-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 967 **Lot** : 50 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Piers		\$49,600
<b>Total</b>		<b>\$49,600</b>
Importance Code A		\$49,600
<b>Total</b>		<b>\$49,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Piers	\$16,300	\$10,100		
<b>Total</b>	<b>\$16,300</b>	<b>\$10,100</b>		
Importance Code A				
Importance Code B	\$16,300	\$6,200		
Importance Code C		\$3,900		
<b>Total</b>	<b>\$16,300</b>	<b>\$10,100</b>		



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

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 34TH STREET FERRY PIER**  
**Asset # : 14638**

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	
<b>Structural</b>								
<b>Deck</b>								
Concrete	50%			LIFE	**	5	\$6,000	
			<i>Cracking, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : At Base Of Timber Platform</i>					
Not Accessible	50%							
<b>Deck Surface</b>								
Asphalt Pavers	60%			2041	**			
Timber	30%			2041	**	5	\$7,800	
Not Accessible	10%							
<b>Pile Caps</b>								
Concrete	100%			LIFE	**	5	\$400	
			<i>Cracking, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
<b>Piles and Bracing</b>								
Steel	50%			LIFE	**	5	\$49,600	
			<i>Corrosion, Extent : Light, Area Affected : 40%</i>					
			<i>Location : Throughout Tidal Zone On H-piles</i>					
Not Accessible	50%							
<b>Fender</b>								
<b>Wales and Chocks</b>								
Timber	60%			2041	**	4	\$18,500	
No Component	40%							
<b>Piles</b>								
Timber	30%	4+	\$16,300	2037	**	4	\$2,800	
			<i>Broken, Extent : Light, Area Affected : 15%</i>					
			<i>Location : Three Locations Of Minor Breaks</i>					
No Component	40%							
Not Accessible	30%							
<b>Pile Cluster</b>								
Timber	70%			2029		4-10		
			<i>Loose Wrapping, Extent : Light, Area Affected : 10%</i>					
			<i>Location : One Cluster On North Side</i>					
Not Accessible	30%							
<b>Deck Elements</b>								
<b>Railing</b>								
Steel	70%			2027				
No Component	30%							

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FERRY DOCKS CONCRETE PIER  
**Address** : CITY ISLAND  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0128.015 / 1815 **Yr Built/Renovated** :  
**Area Sq Ft** : 10,089 **Project Type** : FERRIES  
**Date of Survey** : 09-Dec-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 5643 **Lot** : 260 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Piers	\$346,200	
<b>Total</b>	<b>\$346,200</b>	
Importance Code A	\$346,200	
<b>Total</b>	<b>\$346,200</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Piers				
<b>Total</b>				
Importance Code A				
<b>Total</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FERRY DOCKS CONCRETE PIER**  
**Asset # : 1815**

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	25%	4+	\$151,100	LIFE	**	5	\$4,700
		<i>Corrosion of Reinforcement, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Throughout Underside Of Deck</i>						
		<i>Spalling, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Throughout Underside Of Deck</i>						
	Concrete	75%			LIFE	**	5	\$14,100
		<i>Cracking, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Throughout Deck Surface And Curbs</i>						
		<i>Spalling, Extent : Light, Area Affected : 4%</i>						
		<i>Location : Underside And Deck Surface</i>						
		<i>Surface Wearing/Scaling, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout Surface</i>						
Firewalls								
	Concrete	50%	Now	\$27,500	LIFE	**	5	\$600
		<i>Broken, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Bottom Half Of Firewall At Bents 10 And 19</i>						
	Concrete	50%	4+	\$16,500	LIFE	**	5	\$600
		<i>Cracking, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : Top Half Of Firewall At Bents 10 And 19</i>						
Pile Caps								
	Timber	10%	4+	\$52,300	LIFE	**	4	\$7,900
		<i>Rotting/Splitting, Extent : Severe, Area Affected : 80%</i>						
		<i>Location : At North And South Ends Of Caps</i>						
		<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : At North And South Ends Of Caps</i>						
		<i>Explanation : Rotting, Splitting</i>						
	Timber	90%			LIFE	**	4	\$71,300
		<i>Rotting/Splitting, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Throughout</i>						
Piles and Bracing								
	Timber	40%			LIFE	**	4-5	\$18,100
		<i>Rotting/Splitting, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Piles Throughout</i>						
	Timber	30%	4+	\$98,900	LIFE	**	4-5	\$13,600
		<i>Rotting/Splitting, Extent : Moderate, Area Affected : 85%</i>						
		<i>Location : Above Mhw Throughout</i>						
		<i>Other Observation, Extent : Severe, Area Affected : 15%</i>						
		<i>Location : Above Mhw Throughout</i>						
		<i>Explanation : Rotting, Splitting</i>						
	Not Accessible	30%						
Deck Elements								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**FERRY DOCKS CONCRETE PIER**  
**Asset # : 1815**

<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>

Deck Elements

Railing

Steel

100%

2024

*Corrosion, Extent : Light, Area Affected : 10%*

*Location : Throughout*

*Displaced Elements, Extent : Light, Area Affected : 50%*

*Location : East Rail At Inshore Half Of The Pier*

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FERRY MAINTENANCE FACILITY PIER 1  
**Address** : FORMER U. S. C. G. BASE SOUTHERN END OF MAINT BUILDING  
**Borough** : STATEN ISLAND                      **Agency's Number** : N/A  
**Program / Asset #** : DOT0146.000 / 4523                      **Yr Built/Renovated** :  
**Area Sq Ft** : 49,870                      **Project Type** : FERRIES  
**Date of Survey** : 04-Mar-2013                      **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 1                      **Lot** : 70                      **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Piers	\$331,000	\$684,000
<b>Total</b>	<b>\$331,000</b>	<b>\$684,000</b>
Importance Code A	\$175,800	\$92,000
Importance Code C	\$155,200	\$592,000
<b>Total</b>	<b>\$331,000</b>	<b>\$684,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Piers	\$48,800	\$5,600		
<b>Total</b>	<b>\$48,800</b>	<b>\$5,600</b>		
Importance Code A	\$47,700			
Importance Code B	\$1,100			
Importance Code C		\$5,600		
<b>Total</b>	<b>\$48,800</b>	<b>\$5,600</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FERRY MAINTENANCE FACILITY PIER 1**  
**Asset # : 4523**

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	2%	Now	\$23,900	LIFE	**	5	\$1,900
		<i>Cracking, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : At East And Throughout</i>						
		<i>Exposed Reinforcement, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : Underdeck East Side At Edge And Throughout Soffit</i>						
	Concrete	97%			LIFE	**	5	\$90,100
	Not Accessible	1%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : At South Side Of Pier</i>						
		<i>Explanation : Under Building</i>						
Pile Caps								
	Concrete	25%	4+	\$175,800	LIFE	**	5	\$800
		<i>Spalling, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Delamination And Spalling Throughout Concrete Encased Steel Beams</i>						
	Timber	75%			LIFE	**	4	\$293,900
Piles and Bracing								
	Caissons	5%	4+	\$23,800	LIFE	**	5	\$3,100
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Mid-pier Stone Masonry Support Bent</i>						
		<i>Explanation : Missing Joint Mortar At Stone Masonry Bent</i>						
	Timber	20%			LIFE	**	4-5	\$44,700
		<i>Rotting/Splitting, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Isolated Throughout Tidal Zone</i>						
	Not Accessible	75%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout Pier</i>						
		<i>Explanation : 15 Percent Encased</i>						
Fender								
Pile Cluster								
	Timber	20%	Now	\$155,200	2028	\$258,600	4	\$11,200
		<i>Broken, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : In Tidal Zone</i>						
		<i>Loose Wrapping, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : Above Mean Low Water</i>						
	Timber	20%			2025	\$258,600	4-10	\$91,700
	Not Accessible	60%						
Deck Elements								
Railing								
	Steel	100%			2023			
Coping/Curb								
	Timber	99%			LIFE	**		
	Timber	1%	Now	\$1,100	LIFE	**		
		<i>Missing Part, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Missing Section At East End Of Pier</i>						

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FERRY MAINTENANCE FACILITY PIER B1  
**Address** : FORMER U. S. C. G. BASE NORTH SIDE OF MAINT BLDG  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : DOT0144.000 / 4521 **Yr Built/Renovated** :  
**Area Sq Ft** : 24,350 **Project Type** : FERRIES  
**Date of Survey** : 10-Aug-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 1 **Lot** : 70 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Piers	\$91,500	\$77,600
<b>Total</b>	<b>\$91,500</b>	<b>\$77,600</b>
Importance Code A	\$39,800	
Importance Code C	\$51,700	\$77,600
<b>Total</b>	<b>\$91,500</b>	<b>\$77,600</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Piers	\$97,700	\$3,800	\$11,300	\$29,200
<b>Total</b>	<b>\$97,700</b>	<b>\$3,800</b>	<b>\$11,300</b>	<b>\$29,200</b>
Importance Code A	\$54,400			
Importance Code B	\$43,300	\$3,800	\$9,600	\$29,200
Importance Code C			\$1,700	
<b>Total</b>	<b>\$97,700</b>	<b>\$3,800</b>	<b>\$11,300</b>	<b>\$29,200</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FERRY MAINTENANCE FACILITY PIER B1**  
**Asset # : 4521**

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	2%	4+	\$29,200	LIFE	**	5	\$900
		<i>Cracking, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Center Pier, 150 Feet From East End</i>						
		<i>Spalling, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Southwest Side Of Pier</i>						
	Concrete	73%			LIFE	**	5	\$33,100
	Not Accessible	25%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Inshore Half Of The Pier</i>						
		<i>Explanation : Steel Stay-in-place Formwork</i>						
Firewalls								
	Concrete	70%			LIFE	**	5	\$1,900
	Not Accessible	30%						
Pile Caps								
	Timber	98%			LIFE	**	4	\$187,500
	Timber	2%	2-4	\$25,300	LIFE	**	4	\$3,800
		<i>Rotting/Splitting, Extent : Severe, Area Affected : 50%</i>						
		<i>Location : Ends Of Offshore Pile Caps</i>						
Piles and Bracing								
	Timber	2%	Now	\$39,800	LIFE	**	4-5	\$2,200
		<i>Broken, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Throughout</i>						
	Timber	28%			LIFE	**	4-5	\$30,500
	Not Accessible	70%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : 20 Percent With Encasements</i>						
Fender								
Buffer								
	Rubber	100%			2037	**	4-5	\$30,700
Wales and Chocks								
	Timber	90%			2031	**	4	\$50,000
	Timber	10%	4+	\$23,200	2031	**	4	\$5,600
		<i>Rotting/Splitting, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Throughout</i>						
		<i>Worn, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Throughout</i>						
		<i>Other Observation, Extent : Severe, Area Affected : 25%</i>						
		<i>Location : Isolated Locations Between The Pier Deck And The Fender System</i>						
		<i>Explanation : Steel Connecting Hardware Not Connected</i>						

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**FERRY MAINTENANCE FACILITY PIER B1**  
**Asset # : 4521**

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	
Fender								
Piles								
Timber	2%	Now	\$14,700	2043	**	4	\$500	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Timber	33%			2031	**	4	\$8,500	
Not Accessible	65%							
Pile Cluster								
Timber	30%			2026	\$77,600	4-10	\$25,800	
<i>Worn, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Tidal Zone</i>								
Timber	20%	Now	\$51,700	2033	**	4	\$2,200	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Broken Piles In Tidal Zone</i>								
<i>Loose Wrapping, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : At Northwest End</i>								
Not Accessible	50%							
Deck Elements								
Coping/Curb								
Concrete	10%			LIFE	**			
<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Northeast Corner Of Pier</i>								
Timber	89%			LIFE	**			
Timber	1%	Now	\$5,300	LIFE	**			
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Isolated Throughout</i>								
<i>Rotting/Splitting, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Isolated 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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FERRY MAINTENANCE FACILITY PIER B2  
**Address** : FORMER U. S. C. G. BASE LARGEST PIER INFRONT MAINT BLDG  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : DOT0145.000 / 4522 **Yr Built/Renovated** :  
**Area Sq Ft** : 61,238 **Project Type** : FERRIES  
**Date of Survey** : 10-Aug-2017 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 1 **Lot** : 70 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Piers	\$315,300	\$121,400
<b>Total</b>	<b>\$315,300</b>	<b>\$121,400</b>
Importance Code A	\$193,100	\$121,400
Importance Code B	\$122,200	
<b>Total</b>	<b>\$315,300</b>	<b>\$121,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Piers	\$23,100	\$6,400	\$15,900	\$27,100
<b>Total</b>	<b>\$23,100</b>	<b>\$6,400</b>	<b>\$15,900</b>	<b>\$27,100</b>
Importance Code A				
Importance Code B	\$23,100	\$6,400	\$15,900	\$27,100
<b>Total</b>	<b>\$23,100</b>	<b>\$6,400</b>	<b>\$15,900</b>	<b>\$27,100</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**FERRY MAINTENANCE FACILITY PIER B2**  
**Asset # : 4522**

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	Priority	
Structural									
Deck									
Concrete	75%			LIFE	**	5	\$85,600		
		<i>Cracking, Extent : Light, Area Affected : 2%</i>							
		<i>Location : Throughout</i>							
		<i>Spalling, Extent : Light, Area Affected : 2%</i>							
		<i>Location : Throughout Perimeter Of Pier</i>							
Not Accessible	25%								
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
		<i>Location : Soffit Of Inshore Half Of Pier</i>							
		<i>Explanation : Stay-in-place Formwork</i>							
Firewalls									
Concrete	70%			LIFE	**	5	\$4,800		
Not Accessible	30%								
Pile Caps									
Concrete	2%			LIFE	**	5	\$100		
Timber	98%			LIFE	**	4	\$471,600		
Piles and Bracing									
Steel	2%	4+	\$93,100	LIFE	**	5	\$18,800		
		<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>							
		<i>Location : Above Mean Low Water Elevation</i>							
Timber	2%	4+	\$100,000	LIFE	**	4-5	\$5,500		
		<i>Rotting/Splitting, Extent : Moderate, Area Affected : 20%</i>							
		<i>Location : Throughout</i>							
Timber	16%			LIFE	**	4-5	\$43,900		
Not Accessible	80%								
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
		<i>Location : Throughout</i>							
		<i>Explanation : 20 Percent Of Piles Are Encased</i>							
Fender									
Buffer									
Rubber	100%			2037	**	4-5	\$50,800		
Wales and Chocks									
Timber	45%			2031	**	4	\$41,500		
Timber	5%	4+	\$23,100	2031	**	4	\$4,600		
		<i>Worn, Extent : Moderate, Area Affected : 20%</i>							
		<i>Location : Throughout</i>							
		<i>Other Observation, Extent : Severe, Area Affected : 5%</i>							
		<i>Location : At 5 Percent Of Locations Between Pier Deck And Fender System</i>							
		<i>Explanation : Steel Connecting Hardware Is Not Connected</i>							
Not Accessible	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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FERRY MAINTENANCE FACILITY PIER B2**  
**Asset # : 4522**

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		
Fender									
Piles									
Timber	8%	4+	\$97,700	2043	**	4	\$3,400		
<i>Worn, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Above Mean Low Water Elevation</i>									
Timber	2%	Now	\$24,400	2043	**	4	\$900		
<i>Broken, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Isolated Locations</i>									
Timber	30%			2031	**	4	\$12,800		
Not Accessible	60%								
Deck Elements									
Coping/Curb									
Concrete	5%			LIFE	**				
Timber	95%			LIFE	**				
<i>Rotting/Splitting, Extent : Light, 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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : PIER 11/WALL ST. FERRY PIER  
**Address** : EAST RIVER AT GOUVERNEUR LANE  
**Borough** : MANHATTAN      **Agency's Number** : N/A  
**Program / Asset #** : DOT0001.000 / 4340      **Yr Built/Renovated** : 1906 / 2000  
**Area Sq Ft** : 31,800      **Project Type** : FERRIES  
**Date of Survey** : 14-Oct-2014      **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 36      **Lot** : 18      **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Piers		\$1,231,100
<b>Total</b>		<b>\$1,231,100</b>
Importance Code B		\$1,231,100
<b>Total</b>		<b>\$1,231,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Piers	\$24,300			\$32,000
<b>Total</b>	<b>\$24,300</b>			<b>\$32,000</b>
Importance Code A				
Importance Code B	\$6,200			\$32,000
Importance Code C	\$18,100			
<b>Total</b>	<b>\$24,300</b>			<b>\$32,000</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**PIER 11/WALL ST. FERRY PIER**  
**Asset # : 4340**

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	5%			LIFE	**	5	\$3,000
	Not Accessible	95%						
Deck Surface								
	Concrete	100%			2035	**	5	\$21,800
				<i>Cracking, Extent : Light, Area Affected : 2%</i>				
				<i>Location : Throughout</i>				
				<i>Surface Wearing/Scaling, Extent : Light, Area Affected : 10%</i>				
				<i>Location : Throughout</i>				
Pile Caps								
	Concrete	2%			LIFE	**	5	
				<i>Spalling, Extent : Moderate, Area Affected : 5%</i>				
				<i>Location : Offshore Structure South Face</i>				
	Not Accessible	98%						
Piles and Bracing								
	Concrete	5%			LIFE	**	5	\$5,000
	Not Accessible	95%						
Fender								
Wales and Chocks								
	Timber	75%			2035	**	4	\$51,300
	No Component	25%						
Piles								
	Timber	40%			2039	**	4	\$12,600
				<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>				
				<i>Location : Offshore Face</i>				
	No Component	25%						
	Not Accessible	35%						
Pile Cluster								
	Timber	35%	4+	\$7,200	2027	\$18,100	4	\$800
				<i>Broken, Extent : Severe, Area Affected : 5%</i>				
				<i>Location : Spacer Piece On One 3 Pile Cluster</i>				
				<i>Other Observation, Extent : Severe, Area Affected : 15%</i>				
				<i>Location : Southeast Cluster</i>				
				<i>Explanation : Loose Cable</i>				
	Not Accessible	65%						
Deck Elements								
Railing								
	Steel	95%			2025	\$1,169,500		
				<i>Corrosion, Extent : Light, Area Affected : 5%</i>				
				<i>Location : Throughout</i>				
	Steel	5%	4+	\$6,200	2024	\$61,600		
				<i>Displaced Elements, Extent : Moderate, Area Affected : 50%</i>				
				<i>Location : Mid Point On North Side Of Pier</i>				

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ST. GEORGE FERRY TERMINAL FUEL PIER  
**Address** : 1 BAY STREET  
**Borough** : STATEN ISLAND      **Agency's Number** : N/A  
**Program / Asset #** : DOT0192.020 / 13895      **Yr Built/Renovated** :  
**Area Sq Ft** : 8,400      **Project Type** : FERRIES  
**Date of Survey** : 10-Dec-2014      **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 2      **Lot** : 1      **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Piers	\$104,000	\$156,300
<b>Total</b>	<b>\$104,000</b>	<b>\$156,300</b>
Importance Code A		\$156,300
Importance Code B	\$104,000	
<b>Total</b>	<b>\$104,000</b>	<b>\$156,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Piers			\$15,800	
<b>Total</b>			<b>\$15,800</b>	
Importance Code A			\$14,000	
Importance Code B			\$1,800	
<b>Total</b>			<b>\$15,800</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE FERRY TERMINAL FUEL PIER**  
**Asset # : 13895**

Piers		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Structural								
Deck								
	Concrete	30%		LIFE	**	5	\$4,700	
		<i>Discolor &amp; Bleeding, Extent : Light, Area Affected : 25%</i>						
		<i>Location : Deck Surface Stringers</i>						
	Steel	40%		2027	\$156,300	5	\$28,000	
	Not Accessible	30%						
Pile Caps								
	Concrete	70%		LIFE	**	5	\$400	
	Not Accessible	30%						
Piles and Bracing								
	Concrete	35%		LIFE	**	5	\$9,300	
	Not Accessible	65%						
Fender								
Piles								
	Timber	10%		2022	\$104,000	4	\$3,600	
		<i>Rotting/Splitting, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Piles Along West Face Only</i>						
	No Component	85%						
	Not Accessible	5%						
Deck Elements								
Railing								
	Steel	10%		2025				
	Fiberglass	70%		2030	**			
	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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ST. GEORGE FERRY TERMINAL NORTH WHARF  
**Address** : NORTH SIDE OF TERMINAL BUILDING  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : DOT0195.000 / 13901 **Yr Built/Renovated** :  
**Area Sq Ft** : 34,500 **Project Type** : FERRIES  
**Date of Survey** : 10-Dec-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 2 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Piers	\$39,600	\$159,100
<b>Total</b>	<b>\$39,600</b>	<b>\$159,100</b>
Importance Code A		\$159,100
Importance Code B	\$39,600	
<b>Total</b>	<b>\$39,600</b>	<b>\$159,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Piers				\$700
<b>Total</b>				<b>\$700</b>
Importance Code A				
Importance Code B				\$700
<b>Total</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE FERRY TERMINAL NORTH WHARF**

**Asset # : 13901**

<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>
Structural	Deck							
	Concrete	50%			LIFE	**	5	\$32,100
		<i>Cracking, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Isolated Throughout</i>						
	Not Accessible	50%						
Piles and Bracing	Steel	30%			LIFE	**	5	\$159,100
		<i>Corrosion, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : Above Mlw</i>						
	Not Accessible	70%						
Coping/Curb	Concrete	20%			LIFE	**		
		<i>Cracking, Extent : Light, Area Affected : 10%</i>						
		<i>Location : North End</i>						
	No Component	80%						
Fender	Facing							
	Timber	10%	0-2	\$39,600	2041	**	3	\$2,200
		<i>Displaced Elements, Extent : Severe, Area Affected : 30%</i>						
		<i>Location : Wharf Face</i>						
	No Component	90%						
Deck Elements	Railing							
	Fencing	90%			2030	**	3	
	No Component	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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ST. GEORGE FERRY TERMINAL SOUTH WHARF  
**Address** : SOUTH SIDE OF TERMINAL BUILDING  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : DOT0194.000 / 13900 **Yr Built/Renovated** :  
**Area Sq Ft** : 35,300 **Project Type** : FERRIES  
**Date of Survey** : 09-Dec-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 1 **Lot** : 68 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Piers	\$290,700	\$391,500
<b>Total</b>	<b>\$290,700</b>	<b>\$391,500</b>
Importance Code A	\$290,700	\$352,800
Importance Code C		\$38,800
<b>Total</b>	<b>\$290,700</b>	<b>\$391,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Piers	\$40,500			\$17,900
<b>Total</b>	<b>\$40,500</b>			<b>\$17,900</b>
Importance Code A				
Importance Code B	\$32,000			\$17,900
Importance Code C	\$8,500			
<b>Total</b>	<b>\$40,500</b>			<b>\$17,900</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE FERRY TERMINAL SOUTH WHARF**

**Asset # : 13900**

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	\$32,900
			<i>Cracking, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
	Not Accessible	50%						
Deck Surface								
	Asphalt	30%			2029	\$38,800	5	\$11,700
			<i>Cracking, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Isolated Throughout</i>					
	Concrete	70%			2035	**	5	\$16,900
			<i>Cracking, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Isolated Throughout</i>					
Pile Caps								
	Concrete	90%			LIFE	**	5	\$2,100
			<i>Spalling, Extent : Light, Area Affected : 15%</i>					
			<i>Location : Isolated Offshore Corners</i>					
	Timber	10%			LIFE	**	4	\$27,700
Piles and Bracing								
	Steel	65%	4+	\$290,700	LIFE	**	5	\$352,800
			<i>Corrosion, Extent : Moderate, Area Affected : 25%</i>					
			<i>Location : Throughout Tidal Zone</i>					
			<i>Other Observation, Extent : Severe, Area Affected : 25%</i>					
			<i>Location : Throughout Braced Pipe Piles</i>					
			<i>Explanation : Numerous Broken Pipe Braces</i>					
	Timber	10%			LIFE	**	4-5	\$15,800
	Not Accessible	25%						
Fender								
Wales and Chocks								
	Timber	65%			2035	**	4	\$31,400
	No Component	35%						
Piles								
	Timber	5%	0-2	\$32,000	2041	**	4	\$1,100
			<i>Broken, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Isolated Throughout South Wharf</i>					
	Timber	20%			2035	**	4	\$4,500
	No Component	35%						
	Not Accessible	40%						
Deck Elements								
Coping/Curb								
	Timber	90%			LIFE	**		
	No Component	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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BULKHEAD, PIER 26  
**Address** : HUDSON RIVER N OF HUBERT TO S OF N MOORE ST  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0127.030 / 1809 **Yr Built/Renovated** :  
**Linear Ft** : 580 **Project Type** : FERRIES  
**Date of Survey** : 13-Oct-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 184 **Lot** : 8 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bulkheads		\$141,700
<b>Total</b>		<b>\$141,700</b>
Importance Code B		\$141,700
<b>Total</b>		<b>\$141,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bulkheads				
<b>Total</b>				
Importance Code A				
<b>Total</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**BULKHEAD, PIER 26**  
**Asset # : 1809**

<b>Bulkheads</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>								
	Gravity Wall							
	Stone	25%			LIFE	**	5	\$12,300
			<i>Cracking, Extent : Light, Area Affected : 10%</i>					
			<i>Location : In Concrete Cap Element</i>					
			<i>Missing Block Seal, Extent : Light, Area Affected : 35%</i>					
			<i>Location : Throughout</i>					
	Not Accessible	75%						
<b>Backfill</b>								
	Fill							
	Not Accessible	100%						
	Surface							
	Stone	65%			2039	**	10	
	Under Construction	35%						
<b>Deck Elements</b>								
	Railing							
	Steel	25%			2025			\$141,700
	No Component	75%						

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

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BULKHEAD, WHITEHALL FERRY TERM.  
**Address** : UPPER NEW YORK BAY SOUTH ST AND WHITEHALL ST  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0127.020 / 1808 **Yr Built/Renovated** :  
**Linear Ft** : 390 **Project Type** : FERRIES  
**Date of Survey** : 14-Oct-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 3 **Lot** : 1 **BIN** :

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bulkheads	\$400			
<b>Total</b>	<b>\$400</b>			
Importance Code B	\$400			
Importance Code C				
<b>Total</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**BULKHEAD, WHITEHALL FERRY TERM.**  
**Asset # : 1808**

<b>Bulkheads</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>								
	Gravity Wall							
	Not Accessible	100%						
	Revetment							
	Stone	10%			LIFE	**	5	\$200
	No Component	90%						
<b>Backfill</b>								
	Fill							
	Not Accessible	100%						
	Surface							
	Asphalt	60%			2039	**	5	\$2,700
				<i>Surface Wearing/Scaling, Extent : Light, Area Affected : 25%</i>				
				<i>Location : Isolated</i>				
	Asphalt Pavers	20%			2039	**	5	\$900
	Concrete	20%			2035	**	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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : DOT HARPER ST. FLEET FACILITY BULKHEAD  
**Address** : 32-11 HARPER STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0129.000 / 1792 **Yr Built/Renovated** : 1950 /  
**Linear Ft** : 654 **Project Type** : FERRIES  
**Date of Survey** : 10-Oct-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 1790 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bulkheads	\$1,204,800	
<b>Total</b>	<b>\$1,204,800</b>	
Importance Code A	\$896,900	
Importance Code B	\$307,900	
<b>Total</b>	<b>\$1,204,800</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bulkheads	\$5,000			
<b>Total</b>	<b>\$5,000</b>			
Importance Code A				
Importance Code B	\$5,000			
<b>Total</b>	<b>\$5,000</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**DOT HARPER ST. FLEET FACILITY BULKHEAD**

**Asset # : 1792**

<b>Bulkheads</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>								
Relieving Platform Top								
Concrete	15%	2-4	\$169,500	LIFE	**	5	\$400	
<i>Erosion, Extent : Severe, Area Affected : 25%</i>								
<i>Location : At Vertical Joints And In Tidal Zone</i>								
Concrete	45%			LIFE	**	5	\$1,100	
Timber	35%	Now	\$395,500	LIFE	**	4-5	\$7,500	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Western 250 Feet</i>								
<i>Explanation : Collapsed Or Collapsing</i>								
Timber	5%	4+	\$56,500	LIFE	**	4-5	\$1,100	
<i>Rotting/Splitting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Between Collapsed Section And Concrete Platform</i>								
<hr/>								
Piles and Bracing								
Timber	35%	Now	\$275,500	2041	**	4	\$34,300	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Western 200 Feet Beneath Collapsed Platform</i>								
Not Accessible	65%							
<hr/>								
<b>Backfill</b>								
Fill								
Stone	35%	Now	\$63,400	LIFE	**	5	\$200	
<i>Loss of Backfill, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Western 200 Feet</i>								
Not Accessible	65%							
<hr/>								
Surface								
Asphalt	10%			2029	\$6,000	5	\$700	
Topsoil	35%	Now	\$5,000	2026	\$12,600	5	\$500	
<i>Missing Part, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Western 200 Feet</i>								
Topsoil	30%			2024	\$10,800	5	\$900	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Eastern 400 Feet</i>								
<i>Explanation : Vegetation</i>								
Not Accessible	25%							
<hr/>								
<b>Fender</b>								
Piles								
Timber	100%	Now	\$125,800	2041	**	4	\$15,700	1
<i>Broken, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Missing Part, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<hr/>								
Wales and Chocks								
Timber	100%	Now	\$118,800	2041	**	4	\$35,500	
<i>Missing Part, Extent : Severe, 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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FERRY DOCKS GRAVITY WALL AND REVETMENT  
**Address** : CITY ISLAND  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0128.016 / 1816 **Yr Built/Renovated** :  
**Linear Ft** : 55 **Project Type** : FERRIES  
**Date of Survey** : 09-Dec-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 5643 **Lot** : 260 **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>
Bulkheads	\$300			
<b>Total</b>	<b>\$300</b>			
Importance Code A				
Importance Code B	\$300			
Importance Code C				
<b>Total</b>	<b>\$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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**FERRY DOCKS GRAVITY WALL AND REVETMENT**

**Asset # : 1816**

<b>Bulkheads</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>								
Gravity Wall								
Stone	75%			LIFE	**	5	\$3,500	
		<i>Other Observation, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Grout Loss</i>						
No Component	25%							
<b>Revetment</b>								
Stone	25%			LIFE	**	5	\$100	
No Component	75%							
<b>Backfill</b>								
<b>Fill</b>								
Not Accessible	100%							
<b>Surface</b>								
Asphalt	100%			2035	**	5	\$600	
		<i>Surface Wearing/Scaling, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Throughout</i>						

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

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : FERRY DOCKS TIMBER BULKHEAD  
**Address** : HART ISLAND  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0128.017 / 1817 **Yr Built/Renovated** :  
**Linear Ft** : 307 **Project Type** : FERRIES  
**Date of Survey** : 02-Dec-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 5649 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bulkheads	\$592,800	\$277,100
<b>Total</b>	<b>\$592,800</b>	<b>\$277,100</b>
Importance Code A	\$545,500	\$277,100
Importance Code B	\$47,200	
<b>Total</b>	<b>\$592,800</b>	<b>\$277,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bulkheads	\$26,100	\$6,900		
<b>Total</b>	<b>\$26,100</b>	<b>\$6,900</b>		
Importance Code A	\$14,300	\$6,900		
Importance Code B	\$11,800			
Importance Code C				
<b>Total</b>	<b>\$26,100</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**FERRY DOCKS TIMBER BULKHEAD**  
**Asset # : 1817**

<b>Bulkheads</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>								
<b>Piles and Bracing</b>								
Timber	30%			2029	\$277,100	4	\$20,700	
<i>Rotting/Splitting, Extent : Light, Area Affected : 20%</i>								
<i>Location : In Tidal Zone</i>								
Timber	40%	4+	\$36,900	2041	**	4	\$18,400	
<i>Rotting/Splitting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Between Mlw And The Top Of The Piles</i>								
Timber	30%	Now	\$27,700	2041	**	4	\$13,800	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Split/ Broken Piles Throughout</i>								
<b>Revetment</b>								
Stone	70%			LIFE	**	5	\$1,300	
No Component	30%							
<b>Sheet Piles</b>								
Timber	90%	4+	\$432,800	LIFE	**	4	\$5,200	
<i>Rotting/Splitting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Tidal Zone</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Loss Of Fill Through Gaps In Sheets</i>								
Timber	10%	Now	\$48,100	LIFE	**	4	\$600	
<i>Interlock Damage, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Openings Between Sheets At South End Of Bulkhead</i>								
<i>Rotting/Splitting, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Tidal Zone</i>								
<b>Wales</b>								
Timber	70%			LIFE	**	4	\$3,200	
<i>Rotting/Splitting, Extent : Light, Area Affected : 10%</i>								
<i>Location :</i>								
Timber	30%	2-4	\$14,300	LIFE	**	4	\$1,400	
<i>Rotting/Splitting, Extent : Severe, Area Affected : 75%</i>								
<i>Location : In Tidal Zone At Southeast</i>								
<b>Backfill</b>								
<b>Fill</b>								
Topsoil	70%	Now	\$47,200	2066	**			
<i>Sinkhole, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Up To 5 Feet From Bulkhead At Northern 25 Feet And Southern 175 Feet</i>								
No Component	5%							
Not Accessible	25%							
<b>Surface</b>								
Topsoil	70%	Now	\$11,800	2026	\$11,800	5	\$500	
<i>Settlement, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Behind Bulkhead Up To 5 Feet Wide At Northern 25 Feet And Southern 175 Feet</i>								
Topsoil	25%			2024	\$4,200	5	\$400	
No Component	5%							

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ST. GEORGE FERRY TERMINAL CONCRETE BULKHEAD  
**Address** : 1 BAY STREET  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : DOT0131.020 / 1798 **Yr Built/Renovated** :  
**Linear Ft** : 2,940 **Project Type** : FERRIES  
**Date of Survey** : 11-Dec-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 2 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bulkheads	\$1,668,700	\$49,800
<b>Total</b>	<b>\$1,668,700</b>	<b>\$49,800</b>
Importance Code A	\$1,558,800	\$49,800
Importance Code B	\$109,900	
<b>Total</b>	<b>\$1,668,700</b>	<b>\$49,800</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bulkheads	\$44,100			
<b>Total</b>	<b>\$44,100</b>			
Importance Code A				
Importance Code B	\$35,700			
Importance Code C	\$8,500			
<b>Total</b>	<b>\$44,100</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE FERRY TERMINAL CONCRETE BULKHEAD**

**Asset # : 1798**

<b>Bulkheads</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>								
	Coping/Curb							
	Timber	5%	4+	\$8,500	LIFE	**	5	\$100
		<i>Rotting/Splitting, Extent : Severe, Area Affected : 40%</i>						
		<i>Location : Between South Wharf And 69th Street Slip</i>						
	No Component	95%						
<b>Gravity Wall</b>								
	Concrete	35%			LIFE	**	5	\$4,200
		<i>Cracking, Extent : Moderate, Area Affected : 15%</i>						
		<i>Location : Throughout</i>						
	Stone	15%			LIFE	**	5	\$37,400
		<i>Missing Block Seal, Extent : Light, Area Affected : 30%</i>						
		<i>Location : Throughout</i>						
	Stone	5%	0-2	\$1,505,100	LIFE	**	5	\$12,500
		<i>Displaced Elements, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : Near Slip B-2 At Ferry Maintenance Facility</i>						
	Not Accessible	45%						
<b>Revetment</b>								
	Stone	8%			LIFE	**	5	\$1,400
	No Component	92%						
<b>Sheet Piles</b>								
	Steel	3%	Now	\$53,600	LIFE	**		
		<i>Corrosion, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Between Slips 3 And 4</i>						
	No Component	97%						
<b>Backfill</b>								
<b>Fill</b>								
	Topsoil	5%	Now	\$12,900	2066	**		
		<i>Sinkhole, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Near Slip B-2 In Ferry Maintenance Area And Between Slips 3 And 4</i>						
	Not Accessible	95%						
<b>Surface</b>								
	Asphalt	35%			2035	**	5	\$11,700
	Asphalt	5%	Now	\$13,500	2041	**	5	\$800
		<i>Sinkhole, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Near Slip B-2 In Ferry Maintenance Area And Between Slips 3 And 4</i>						
	Concrete	20%			2035	**	5	\$6,700
	Not Accessible	40%						
<b>Fender</b>								
<b>Piles</b>								
	Timber	10%	Now	\$56,500	2041	**	4	\$7,000
		<i>Rotting/Splitting, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Between South Wharf And 69th Street Slip</i>						
	No Component	85%						
	Not Accessible	5%						

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

Estimates are rounded to the nearest hundred dollars.

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE FERRY TERMINAL CONCRETE BULKHEAD**

**Asset # : 1798**

<b>Bulkheads</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>
Fender								
Wales and Chocks								
Timber								
		10%	Now	\$53,400	2041	**	4	\$16,000
<i>Rotting/Splitting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Between South Wharf And 69th Street Slip</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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BULKHEAD / GRAVITY WALL  
**Address** : E. RIVER, 71ST TO 78TH ST. COAST LINE OF 71 ST. TO CL 78 ST  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0025.055 / 4343 **Yr Built/Renovated** :  
**Linear Ft** : 1,920 **Project Type** : HIGHWAYS  
**Date of Survey** : 28-Dec-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 1483 **Lot** : 60 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bulkheads	\$660,600	\$1,621,900
<b>Total</b>	<b>\$660,600</b>	<b>\$1,621,900</b>
Importance Code A	\$660,600	\$121,100
Importance Code B		\$1,500,700
<b>Total</b>	<b>\$660,600</b>	<b>\$1,621,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bulkheads	\$20,100	\$8,200		
<b>Total</b>	<b>\$20,100</b>	<b>\$8,200</b>		
Importance Code A				
Importance Code B	\$20,100	\$8,200		
<b>Total</b>	<b>\$20,100</b>	<b>\$8,200</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**BULKHEAD / GRAVITY WALL**  
**Asset # : 4343**

<b>Bulkheads</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>								
<b>Gravity Wall</b>								
	Conc w/Stone Face	10%	Now	\$660,600	LIFE	**	5	\$17,300
		<i>Erosion, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : At And Below The Water Line, North Of E 76 St</i>						
		<i>Missing Part, Extent : Severe, Area Affected : 25%</i>						
		<i>Location : Missing Blocks North Of E 76th St</i>						
	Conc w/Stone Face	60%			LIFE	**	5	\$103,800
		<i>Cracking, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Throughout</i>						
	Concrete	5%			LIFE	**	5	\$400
		<i>Erosion, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
	Not Accessible	25%						
<b>Backfill</b>								
<b>Fill</b>								
	Not Accessible	100%						
<b>Surface</b>								
	Asphalt Pavers	45%			2036	**	5	\$9,900
	Asphalt Pavers	5%	4+	\$20,100	2042	**	5	\$500
		<i>Settlement, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
	Concrete	30%			2036	**	5	\$6,600
		<i>Cracking, Extent : Moderate, Area Affected : 70%</i>						
		<i>Location : Throughout</i>						
		<i>Settlement, Extent : Moderate, Area Affected : 70%</i>						
		<i>Location : Throughout</i>						
	Not Accessible	20%						
<b>Deck Elements</b>								
<b>Railing</b>								
	Steel	80%			2025			\$1,500,700
		<i>Missing Coating, Extent : Light, Area Affected : 15%</i>						
		<i>Location : Throughout</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.

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BULKHEAD AT PIER 79  
**Address** : W 38TH ST TO SS OF PIER 81 HUDSON RIVER AT LINCOLN TUNNEL  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0025.021 / 4339 **Yr Built/Renovated** : 1900 /  
**Linear Ft** : 772 **Project Type** : HIGHWAYS  
**Date of Survey** : 27-Sep-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 665 **Lot** : 999 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bulkheads		\$301,700
<b>Total</b>		<b>\$301,700</b>
Importance Code B		\$301,700
<b>Total</b>		<b>\$301,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bulkheads	\$15,100		\$4,400	
<b>Total</b>	<b>\$15,100</b>		<b>\$4,400</b>	
Importance Code A	\$15,100			
Importance Code B			\$4,400	
<b>Total</b>	<b>\$15,100</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**BULKHEAD AT PIER 79**  
**Asset # : 4339**

<b>Bulkheads</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>								
Relieving Platform Top								
No Component	40%							
Not Accessible	60%							
<b>Sheet Piles</b>								
Concrete Encased Steel	33%	4+	\$15,100	LIFE		**		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Between Ferry Terminal And Pier 81</i>								
Not Accessible	67%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Beneath Ferry Terminal</i>								
<i>Explanation : Steel Sheet Pile Not Accessible Beneath Ferry Terminal</i>								
<b>Backfill</b>								
<b>Fill</b>								
Not Accessible	100%							
<b>Surface</b>								
Asphalt	34%			2037		**	5	\$3,000
<i>Settlement, Extent : Light, Area Affected : 2%</i>								
<i>Location : Light Settlement Along Bulkhead Edge</i>								
Concrete	66%			2037		**	5	\$5,800
<b>Deck Elements</b>								
<b>Railing</b>								
Steel	40%			2026	\$301,700			
No Component	60%							

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

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : **BULKHEAD NORTH OF UNIVERSITY HEIGHTS BRIDGE**  
 Address : **LANDING ROAD**  
 Borough : **BRONX** Agency's Number : **N/A**  
 Program / Asset # : **DOT0209.000 / 14496** Yr Built/Renovated :  
 Linear Ft : **520** Project Type : **HIGHWAYS**  
 Date of Survey : **06-Feb-2018** Landmark Status : **NONE**  
 Areas Surveyed :  
 Block : Lot : BIN :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bulkheads	\$3,278,900	
<b>Total</b>	<b>\$3,278,900</b>	
Importance Code A	\$3,278,900	
<b>Total</b>	<b>\$3,278,900</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bulkheads	\$14,300		\$1,100	
<b>Total</b>	<b>\$14,300</b>		<b>\$1,100</b>	
Importance Code A				
Importance Code B	\$14,300		\$1,100	
<b>Total</b>	<b>\$14,300</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BULKHEAD NORTH OF UNIVERSITY HEIGHTS BRIDGE**

**Asset # : 14496**

<b>Bulkheads</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>Structural</b>								
Piles and Bracing								
No Component	45%							
Not Accessible	55%							
<hr/>								
Sheet Piles								
Steel	100%	Now	\$3,162,300	LIFE		**		1
<i>Corrosion, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Tidal Zone. Missing Section Due To Corrosion</i>								
<hr/>								
Pile Caps								
Concrete	100%	4+	\$116,500	LIFE		**	5	\$1,600
<i>Cracking, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Along Offshore Edge</i>								
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Along Top Of South Face</i>								
<i>Explanation : Impact Spalls</i>								
<hr/>								
<b>Backfill</b>								
Fill								
Topsoil	10%	Now	\$11,400	2069		**		
<i>Sinkhole, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 310 Feet From South</i>								
<hr/>								
Not Accessible	90%							
<hr/>								
Surface								
Topsoil	90%			2027	\$25,700		5	\$2,200
Topsoil	10%	Now	\$2,900	2029	\$2,900		5	\$100
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Sinkhole 310 Feet From South</i>								
<i>Explanation : Fill Loss</i>								

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

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BULKHEAD, CONNER ST. YARD CONCRETE GRAVITY WALL  
**Address** : 3200 CONNER STREET  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0128.020 / 1791 **Yr Built/Renovated** :  
**Linear Ft** : 497 **Project Type** : HIGHWAYS  
**Date of Survey** : 12-Dec-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 5256 **Lot** : 200 **BIN** :

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bulkheads		\$8,400		
<b>Total</b>		<b>\$8,400</b>		
Importance Code A		\$6,400		
Importance Code B		\$2,000		
<b>Total</b>		<b>\$8,400</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BULKHEAD, CONNER ST. YARD CONCRETE GRAVITY WALL**

**Asset # : 1791**

<b>Bulkheads</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>								
	Pile Supported Wall							
	Concrete	65%			2041	**	5	\$12,900
			<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : At Southern End Of Asset</i>					
	Not Accessible	5%						
	Under Construction	30%						
<b>Backfill</b>								
	Fill							
	Not Accessible	70%						
	Under Construction	30%						
<b>Surface</b>								
	Asphalt	70%			2041	**	5	\$4,000
			<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : At Southern End Of Asset</i>					
	Under Construction	30%						
<b>Deck Elements</b>								
	Railing							
	Guard Rail	70%			LIFE	**		
			<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : At Southern End Of Asset</i>					
	Under Construction	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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : CONNER STREET DOT YARD REVETMENT  
**Address** : 3200 CONNER STREET  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0128.030 / 14768 **Yr Built/Renovated** :  
**Linear Ft** : 495 **Project Type** : HIGHWAYS  
**Date of Survey** : 12-Dec-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 5256 **Lot** : 200 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bulkheads	\$353,200	
<b>Total</b>	<b>\$353,200</b>	
Importance Code C	\$353,200	
<b>Total</b>	<b>\$353,200</b>	

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bulkheads				
<b>Total</b>				
Importance Code B				
Importance Code C				
<b>Total</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**CONNER STREET DOT YARD REVETMENT**  
**Asset # : 14768**

<b>Bulkheads</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>								
<b>Revetment</b>								
Stone	95%	4+	\$353,200	LIFE	**	5	\$2,800	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Non-engineered, Very Steep, Slope With Areas Of Scour</i>								
<i>Explanation : Inadequate Stone Protection</i>								
Stone	5%			LIFE	**	5	\$100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Adjacent To Outfall</i>								
<b>Backfill</b>								
<b>Fill</b>								
Not Accessible	100%							
<b>Surface</b>								
Asphalt	50%			2029	\$22,800	5	\$2,800	
<i>Erosion, Extent : Light, Area Affected : 100%</i>								
<i>Location : Raveling Throughout Surface</i>								
Not Accessible	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Inshore Of Revetment</i>								
<i>Explanation : Under Stacked Concrete Block Wall And Dot Trucks</i>								

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

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : DOT ASPHALT PLANT RELIEVING PLATFORM  
**Address** : 488 HAMILTON AVE. GOWANUS CANAL S OF BRIDGE  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0130.011 / 1793 **Yr Built/Renovated** :  
**Linear Ft** : 520 **Project Type** : HIGHWAYS  
**Date of Survey** : 16-Oct-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 625 **Lot** : 2 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bulkheads	\$89,800	
<b>Total</b>	<b>\$89,800</b>	
Importance Code A	\$89,800	
<b>Total</b>	<b>\$89,800</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bulkheads	\$38,700	\$400	\$100	
<b>Total</b>	<b>\$38,700</b>	<b>\$400</b>	<b>\$100</b>	
Importance Code A	\$11,700			
Importance Code B	\$27,000	\$400	\$100	
Importance Code C				
<b>Total</b>	<b>\$38,700</b>	<b>\$400</b>	<b>\$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.*

**DEPARTMENT OF TRANSPORTATION - 841  
DOT ASPHALT PLANT RELIEVING PLATFORM**

**Asset # : 1793**

<b>Bulkheads</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>								
Relieving Platform Top								
Concrete	10%	4+	\$89,800	LIFE	**	5	\$200	
			<i>Erosion, Extent : Moderate, Area Affected : 40%</i>					
			<i>Location : Low Level Platform In Tidal Zone</i>					
			<i>Spalling, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Throughout</i>					
Concrete	90%			LIFE	**	5	\$1,800	
<b>Coping/Curb</b>								
Timber	100%			LIFE	**	5	\$300	
<b>Piles and Bracing</b>								
Concrete	15%			LIFE	**	5	\$500	
Steel	15%			LIFE	**	5	\$12,000	
			<i>Corrosion, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Splash Zone</i>					
Not Accessible	70%							
<b>Pile Caps</b>								
Concrete	5%			LIFE	**	5	\$100	
Concrete	5%	0-2	\$11,700	LIFE	**	5	\$100	
			<i>Spalling, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Portions Under High Level Platform</i>					
Not Accessible	90%							
<b>Backfill</b>								
<b>Surface</b>								
Asphalt	15%			2036	**	5	\$900	
Gravel	85%			2040	**	2-5	\$1,400	
			<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Gravel And Drain On Top Of Concrete Deck</i>					
<b>Fender</b>								
<b>Piles</b>								
Timber	45%			2036	**	4	\$8,400	
			<i>Worn, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Throughout</i>					
Timber	10%	2-4	\$10,000	2042	**	4	\$1,200	
			<i>Worn, Extent : Severe, Area Affected : 50%</i>					
			<i>Location : Throughout</i>					
Not Accessible	45%							
<b>Wales and Chocks</b>								
Timber	47%			2036	**	4	\$19,900	
			<i>Worn, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Throughout</i>					
Timber	3%	2-4	\$7,100	2042	**	4	\$800	
			<i>Rotting/Splitting, Extent : Severe, Area Affected : 50%</i>					
			<i>Location : Throughout</i>					
Not Accessible	50%							

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

Estimates are rounded to the nearest hundred dollars.

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : DOT ASPHALT PLANT STEEL SHEET PILE BULKHEAD  
**Address** : 488 HAMILTON AVE. GOWANUS CANAL N END OF PLANT  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0130.012 / 1794 **Yr Built/Renovated** :  
**Linear Ft** : 31 **Project Type** : HIGHWAYS  
**Date of Survey** : 16-Oct-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 625 **Lot** : 2 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bulkheads	\$162,100	
<b>Total</b>	<b>\$162,100</b>	
Importance Code A	\$162,100	
<b>Total</b>	<b>\$162,100</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bulkheads	\$5,300	\$100		
<b>Total</b>	<b>\$5,300</b>	<b>\$100</b>		
Importance Code B	\$5,300	\$100		
<b>Total</b>	<b>\$5,300</b>	<b>\$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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**DOT ASPHALT PLANT STEEL SHEET PILE BULKHEAD**

**Asset # : 1794**

<b>Bulkheads</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>								
	Sheet Piles							
	Steel	65%	Now	\$122,500	LIFE		**	
		<i>Broken, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : North End Adjacent To Bridge Abutment</i>						
	Steel	35%	4+	\$39,600	LIFE		**	
		<i>Corrosion, Extent : Severe, Area Affected : 75%</i>						
		<i>Location : Splash Zone</i>						
<b>Backfill</b>								
	Fill							
	Topsoil	65%	Now	\$4,400	2067		**	
		<i>Erosion, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Active Sloughing</i>						
	Not Accessible	35%						
<b>Surface</b>								
	Concrete	50%			2036		**	\$200
	Topsoil	50%	0-2	\$900	2027	\$900	5	
		<i>Erosion, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Active Sloughing</i>						

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

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : DOT FACILITY REVETMENT  
**Address** : 6080 FLATLANDS AVE.  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0130.020 / 1795 **Yr Built/Renovated** :  
**Linear Ft** : 750 **Project Type** : HIGHWAYS  
**Date of Survey** : 19-Sep-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 8012 **Lot** : 400 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bulkheads	\$450,600	\$41,300
<b>Total</b>	<b>\$450,600</b>	<b>\$41,300</b>
Importance Code B		\$41,300
Importance Code C	\$450,600	
<b>Total</b>	<b>\$450,600</b>	<b>\$41,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bulkheads				
<b>Total</b>				
Importance Code B				
Importance Code C				
<b>Total</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**DOT FACILITY REVETMENT**  
**Asset # : 1795**

<b>Bulkheads</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>								
<b>Revetment</b>								
Asphalt Remnants	20%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Insufficient Armor Stone, Steep Sloping Natural Shoreline</i>								
Stone	80%	0-2	\$450,600	LIFE	**	5	\$3,600	
<i>Other Observation, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Insufficient Armor Stone, Steep Sloping Natural Shoreline</i>								
<b>Backfill</b>								
<b>Fill</b>								
Not Accessible	100%							
<b>Surface</b>								
Topsoil	100%			2024	\$41,300	5	\$3,500	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Heavy Vegetation And Debris</i>								

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : DOT FACILITY/STEEL BULKHEAD UNDER WILLIAMSBURG BRIDGE  
**Address** : 352-372 KENT AVE. EAST RIVER, S 5TH TO S 6TH ST.  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0130.030 / 1796 **Yr Built/Renovated** :  
**Linear Ft** : 266 **Project Type** : HIGHWAYS  
**Date of Survey** : 15-Oct-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 2453 **Lot** : 1 **BIN** :

**CAPITAL**

Total

Importance Code

Total

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bulkheads	\$22,600			
<b>Total</b>	<b>\$22,600</b>			
Importance Code A				
Importance Code B	\$22,600			
<b>Total</b>	<b>\$22,600</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**DOT FACILITY/STEEL BULKHEAD UNDER WILLIAMSBURG BRIDGE**  
**Asset # : 1796**

<b>Bulkheads</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>								
	Sheet Piles							
	Steel	20%			LIFE	**		
		<i>Corrosion, Extent : Light, Area Affected : 25%</i>						
		<i>Location : Throughout Above Mhw Elevation</i>						
	Not Accessible	80%						
<b>Wales</b>								
	Steel	100%			LIFE	**	5	\$6,300
		<i>Corrosion, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
<b>Pile Caps</b>								
	Concrete	100%			LIFE	**	5	\$800
<b>Backfill</b>								
<b>Fill</b>								
	Topsoil	5%	Now	\$2,900	2067	**		
		<i>Erosion, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : At Southern End Of Facility</i>						
	Not Accessible	95%						
<b>Surface</b>								
	Concrete	95%			2040	**	5	\$2,900
	Concrete	5%	0-2	\$4,900	2042	**	5	\$100
		<i>Settlement, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Slab At Southern End Of Facility Beneath Masonry Wall</i>						
<b>Fender</b>								
<b>Wales and Chocks</b>								
	Timber	15%	Now	\$7,200	2042	**	4	\$2,200
		<i>Broken, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Sections Between Abutments And North Of Abutments</i>						
	Timber	85%			2036	**	4	\$18,400
<b>Deck Elements</b>								
<b>Railing</b>								
	Fencing	100%			2028	\$14,700	3	\$100
		<i>Corrosion, Extent : Moderate, Area Affected : 15%</i>						
		<i>Location : At Base Of Posts On North End</i>						

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : GRAVITY WALL AT HALLETS COVE  
**Address** : 30TH DRIVE TO JUST SOUTH OF 31 AVENUE  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0196.000 / 14022 **Yr Built/Renovated** :  
**Linear Ft** : 515 **Project Type** : HIGHWAYS  
**Date of Survey** : 22-Sep-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 499 **Lot** : 51 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bulkheads	\$53,000	\$578,900
<b>Total</b>	<b>\$53,000</b>	<b>\$578,900</b>
Importance Code A	\$53,000	
Importance Code B		\$578,900
<b>Total</b>	<b>\$53,000</b>	<b>\$578,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bulkheads	\$500	\$1,800		
<b>Total</b>	<b>\$500</b>	<b>\$1,800</b>		
Importance Code A				
Importance Code B	\$500	\$1,800		
<b>Total</b>	<b>\$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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**GRAVITY WALL AT HALLETS COVE**  
**Asset # : 14022**

<b>Bulkheads</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>								
	Gravity Wall							
	Concrete	75%			LIFE	**	5	\$1,600
		<i>Cracking, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Throughout</i>						
		<i>Spalling, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Throughout</i>						
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : At Sta. 4+95 From North End</i>						
		<i>Explanation : Void</i>						
	Concrete	25%	4+	\$53,000	LIFE	**	5	\$500
		<i>Cracking, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : At Expansion Joint Sta. 3+96</i>						
		<i>Spalling, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : From Sta. 0+75 To Sta. 3+32</i>						
<b>Backfill</b>								
	Fill							
	Not Accessible	100%						
	Surface							
	Concrete	60%			2036	**	5	\$3,500
	Topsoil	40%			2025	\$11,300	5	\$1,000
<b>Deck Elements</b>								
	Railing							
	Aluminum	100%			2026	\$192,300		
	Parapet							
	Concrete	100%			2028	\$386,700		

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : RELIEVING PLATFORM  
**Address** : E. RIVER, 59TH TO 63RD ST.  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0025.053 / 4341 **Yr Built/Renovated** :  
**Linear Ft** : 1,223 **Project Type** : HIGHWAYS  
**Date of Survey** : 20-Oct-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 1474 **Lot** : 60 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bulkheads	\$812,100	\$189,300
<b>Total</b>	<b>\$812,100</b>	<b>\$189,300</b>
Importance Code A	\$812,100	\$98,000
Importance Code B		\$91,300
<b>Total</b>	<b>\$812,100</b>	<b>\$189,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bulkheads		\$5,600	\$1,400	
<b>Total</b>		<b>\$5,600</b>	<b>\$1,400</b>	
Importance Code B		\$5,600	\$1,400	
<b>Total</b>		<b>\$5,600</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**RELIEVING PLATFORM**  
**Asset # : 4341**

<b>Bulkheads</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>								
<b>Pile Supported Wall</b>								
Conc w/Stone Face	25%	2-4	\$223,100	LIFE	**	5	\$24,500	
<i>Erosion, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Above Granite Fascia Panels</i>								
Conc w/Stone Face	10%	Now	\$356,900	LIFE	**	5	\$9,800	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Along Bottom Half Of Wall</i>								
<i>Explanation : Missing Granite Fascia Panel</i>								
Conc w/Stone Face	65%	4+	\$232,000	LIFE	**	5	\$63,700	
<i>Erosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Above Granite Fascia Panels</i>								
<b>Piles and Bracing</b>								
Not Accessible	100%							
<b>Backfill</b>								
<b>Fill</b>								
Not Accessible	100%							
<b>Surface</b>								
Asphalt	80%			2031	**	5	\$11,200	
Asphalt Pavers	20%			2037	**	5	\$2,800	
<b>Deck Elements</b>								
<b>Railing</b>								
Aluminum	20%			2027			\$91,300	
No Component	80%							

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

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

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : RELIEVING PLATFORM  
**Address** : EAST RIVER, 34TH ST TO 36TH ST  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0025.064 / 4342 **Yr Built/Renovated** :  
**Linear Ft** : 582 **Project Type** : HIGHWAYS  
**Date of Survey** : 27-Jan-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 966 **Lot** : 50 **BIN** :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Bulkheads		\$568,600
<b>Total</b>		<b>\$568,600</b>
Importance Code B		\$568,600
<b>Total</b>		<b>\$568,600</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Bulkheads	\$71,000			
<b>Total</b>	<b>\$71,000</b>			
Importance Code A	\$37,900			
Importance Code B	\$33,100			
Importance Code C				
<b>Total</b>	<b>\$71,000</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**RELIEVING PLATFORM**  
**Asset # : 4342**

<b>Bulkheads</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>								
Relieving Platform Top Concrete/Stone	5%	4+	\$24,700	LIFE			**	
<i>Broken, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Broken Stone Facing 430 Ft From North</i>								
<i>Erosion, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Isolated At Top Of Bulkhead Throughout</i>								
<i>Missing Block Seal, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Isolated At Top Of Bulkhead Throughout</i>								
Concrete/Stone	95%			LIFE			**	
<i>Cracking, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Coping/Curb Concrete	100%			LIFE		5	\$500	
<i>Cracking, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Located Within Southern 230 Ft Of Asset</i>								
Piles and Bracing Not Accessible	100%							
Lowlevel Pile Caps Timber	5%	Now	\$13,200	LIFE			**	
<i>Rotting/Splitting, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Along Bulkhead Face Throughout</i>								
Not Accessible	95%							
<b>Backfill</b>								
Fill Not Accessible	100%							
Surface Asphalt	17%			2040		5	\$1,100	
<i>Cracking, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Isolated Throughout</i>								
Asphalt Pavers	83%			2040		5	\$5,500	
<b>Fender</b>								
Piles Timber	20%	Now	\$22,400	2042		4	\$2,800	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Rotting/Splitting, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Timber	25%			2036		4	\$5,200	
No Component	10%							
Not Accessible	45%							
<b>Deck Elements</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**RELIEVING PLATFORM**  
**Asset # : 4342**

<b>Bulkheads</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>
Deck Elements								
	Railing							
	Steel	95%			2025	\$540,200		
		<i>Missing Coating, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Throughout</i>						
	Steel	5%	4+	\$5,700	2026	\$28,400		
		<i>Broken, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Broken And Deflected From Impact At 430 Ft From North</i>						
		<i>Impact Damage, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : Located 420 Ft To 441 Ft From North End</i>						

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : REVTMENT - RIPRAP BULKHEAD  
**Address** : W 205TH TO W 206TH ST HARLEM RIVER,SUB 2 OF ASSET TYPE  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0187.000 / 13798 **Yr Built/Renovated** :  
**Linear Ft** : 296 **Project Type** : HIGHWAYS  
**Date of Survey** : 14-Oct-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 2186 **Lot** : 9 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Bulkheads	\$86,700	
<b>Total</b>	<b>\$86,700</b>	
Importance Code C	\$86,700	
<b>Total</b>	<b>\$86,700</b>	

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Bulkheads		\$700		
<b>Total</b>		<b>\$700</b>		
Importance Code B		\$700		
Importance Code C				
<b>Total</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**REVTMENT - RIPRAP BULKHEAD**  
**Asset # : 13798**

<b>Bulkheads</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>								
Revetment								
Stone	65%	4+	\$86,700	LIFE	**	5	\$1,200	
	<i>Erosion, Extent : Moderate, Area Affected : 85%</i>							
	<i>Location : Throughout</i>							
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Non-engineered, Inadequate Protection</i>							
Stone	35%			LIFE	**	5	\$600	
<b>Backfill</b>								
Fill								
Not Accessible	100%							
<b>Surface</b>								
Topsoil	100%			2026	\$16,300	5	\$1,400	

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : BATTERY MARITIME BUILDING SLIP 5 - FAST FERRY BARGE  
**Address** : SOUTH STREET  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0192.000 / 13891 **Yr Built/Renovated** :  
**Area Sq Ft** : 3,350 **Project Type** : FERRIES  
**Date of Survey** : 08-Sep-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Marinas/Docks	\$156,200	\$2,100
<b>Total</b>	<b>\$156,200</b>	<b>\$2,100</b>
Importance Code A	\$156,200	\$2,100
<b>Total</b>	<b>\$156,200</b>	<b>\$2,100</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Marinas/Docks	\$61,500	\$1,000	\$9,700	\$4,000
<b>Total</b>	<b>\$61,500</b>	<b>\$1,000</b>	<b>\$9,700</b>	<b>\$4,000</b>
Importance Code A	\$47,500			
Importance Code B	\$13,400	\$500	\$9,300	\$3,500
Importance Code C	\$600	\$500	\$400	\$500
<b>Total</b>	<b>\$61,500</b>	<b>\$1,000</b>	<b>\$9,700</b>	<b>\$4,000</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**BATTERY MARITIME BUILDING SLIP 5 - FAST FERRY BARGE**

**Asset # : 13891**

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	Priority
Access Walkways								
Gangways								
Aluminum	75%			2052	**	1-3	\$30,300	
Aluminum	25%	Now	\$13,000	2052	**	1-3	\$10,000	
<i>Cracked Weld, Extent : Light, Area Affected : 10%</i>								
<i>Location : Northeast Side Of South Gangway Near Bearing Pad</i>								
<i>Handrail Damage, Extent : Severe, Area Affected : 33%</i>								
<i>Location : Security Gate Dislodged At Top Of South Gangway</i>								
<i>Loose Connections, Extent : Severe, Area Affected : 33%</i>								
<i>Location : Bottom Of South Gangway Plate Pin Dislodged, Wearing On Rail</i>								
<i>Roller Malfunction, Extent : Severe, Area Affected : 20%</i>								
<i>Location : At The Northeast Connection Of The North Gangway</i>								
Piles and Bracing								
Steel	100%			2046	**	5-10		
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Support Beams</i>								
Floating Docks								
Anchor Piles								
Steel	75%			2046	**	3-5		
<i>Corrosion, Extent : Light, Area Affected : 25%</i>								
<i>Location : In Tidal Zone</i>								
<i>Missing Coating, Extent : Light, Area Affected : 25%</i>								
<i>Location : In Tidal Zone</i>								
Not Accessible	25%							
Fenders								
Rubber	95%			2025	\$5,700	1-2	\$4,100	
<i>Worn, Extent : Light, Area Affected : 20%</i>								
<i>Location : Above Waterline Throughout</i>								
Rubber	5%	Now	\$300	2026	\$300	1-2	\$200	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : At South Pile Guide On South Barge</i>								
Floats/Frames								
Steel	5%	Now	\$14,000	2036	**	5	\$300	
<i>Damaged/Missing Pile Guide, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Rub Pad On South Pile On South Barge</i>								
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : At Center Connection On Large Space Truss</i>								
<i>Explanation : Loose Frame Connection</i>								
Steel	95%			2034	**	5-10	\$23,400	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**BATTERY MARITIME BUILDING SLIP 5 - FAST FERRY BARGE**

**Asset # : 13891**

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	
Floating Docks								
Barge								
Steel	65%			2039	**	5	\$7,600	
	<i>Corrosion, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Above Waterline And In Splash Zone</i>							
	<i>Other Observation, Extent : Light, Area Affected : 2%</i>							
	<i>Location : At Gangway Landings</i>							
	<i>Explanation : Abrasion</i>							
Steel	5%	4+	\$29,100	2039	**	5	\$300	
	<i>Not Plumb, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Barge Is Listing To The West</i>							
Not Accessible	30%							
Deck Elements								
Railing								
Steel	100%			2025				
	<i>Corrosion, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Throughout Both Barges</i>							
Electrical								
Conduit								
PVC	95%			2023			\$39,900	
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : At Moving Connections Between Barges</i>							
	<i>Explanation : Abrasion</i>							
PVC	5%	Now	\$2,100	2024			\$2,100	
	<i>Other Observation, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : At Gangway Landing At Southern Barge</i>							
	<i>Explanation : Broken</i>							
Lighting Fixture								
Incandescent	20%	Now	\$2,300	2021			\$23,300	
	<i>Other Observation, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : On South Barge And At All Gangways</i>							
	<i>Explanation : Broken/ Missing</i>							
Incandescent	80%			2021			\$93,100	
Movable Ramps								
Deck and Railing								
Steel	100%			2039	**			
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Aluminum Ramp</i>							

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

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

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



**DEPARTMENT OF TRANSPORTATION - 841**  
**CITY ISLAND FERRY DOCK**  
**Asset # : 13923**

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	Priority
Access Walkways								
Deck								
Timber	50%			2024	\$48,000	5	\$1,400	
<i>Surface Wearing/Scaling, Extent : Light, Area Affected : 50%</i>								
<i>Location : Isolated At Top Of Deck</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Middle Section Of Movable Ramp</i>								
<i>Explanation : Recent Repair Evident</i>								
Not Accessible	50%							
Gangways								
Aluminum	10%	4+	\$800	2046	**	1-3	\$200	
<i>Loose Connections, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Half Of Hinge Plate Is Bent</i>								
Aluminum	90%			2046	**	1-3	\$1,700	
Pile Caps								
Timber	40%			2036	**	4		
<i>Splitting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Isolated Throughout</i>								
Not Accessible	60%							
Piles and Bracing								
Timber	20%	4+	\$26,100	2052	**	4-5	\$1,400	
<i>Rotting/Splitting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Above Mhw</i>								
Not Accessible	80%							
Floating Docks								
Anchor Piles								
Timber	60%	4+	\$4,600	2031	**	4-5	\$300	
<i>Abrasion, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : In Tidal Zone</i>								
Not Accessible	40%							
Floats/Frames								
Timber	50%			2031	**			
<i>Wearing, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Not Accessible	50%							
Fender								
Facing								
Timber	50%			2021	\$1,085,400			
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Tidal Zone Of The South Rack</i>								
<i>Explanation : Abrasion</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**CITY ISLAND FERRY DOCK**  
**Asset # : 13923**

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	Priority
Fender								
Piles								
Timber	35%	2-4	\$117,900	2031			**	
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Rotting, Splitting</i>								
Timber	15%	Now	\$50,500	2031			**	
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Broken</i>								
Timber	20%			2024	\$224,500			
Not Accessible	30%							
Wales and Chocks								
Timber	35%	Now	\$44,500	2027	\$89,100			
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Rotting, Splitting</i>								
Timber	50%	2-4	\$63,600	2027	\$127,300			
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Rotting, Splitting</i>								
Timber	15%			2027	\$38,200			
Gallows Frames								
Tower Frames								
Steel	5%	4+	\$17,700	2035			**	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Connection Hardware</i>								
<i>Explanation : Corrosion</i>								
Timber	10%	4+	\$34,200	2039			**	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Gallows Frames Foundation Piles</i>								
<i>Explanation : Rotting</i>								
Timber	85%			2035			**	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Splitting</i>								
Movable Ramps								
Bearings								
Steel	25%			2029	\$41,000			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : At All Steel Bearing Surfaces</i>								
<i>Explanation : Moderate Corrosion</i>								
Timber	25%			2029	\$24,400			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Timber Bearing Surfaces</i>								
<i>Explanation : Abrasion/wearing</i>								
Not Accessible	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.

**DEPARTMENT OF TRANSPORTATION - 841  
CITY ISLAND FERRY DOCK  
Asset # : 13923**

<b>Marinas/Docks</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>

Movable Ramps

Deck and Railing

Timber Deck on Steel

100%

2035

\* \*

*Other Observation, Extent : Light, Area Affected : 50%*

*Location : Throughout Steel Deck Framing And Isolated On Rail*

*Explanation : Corrosion*

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

*Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : EAST 34TH ST FERRY LANDING BARGES  
**Address** : EAST RIVER, E 34TH STREET  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0199.000 / 14193 **Yr Built/Renovated** :  
**Area Sq Ft** : 8,175 **Project Type** : FERRIES  
**Date of Survey** : 27-Jan-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 967 **Lot** : 50 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Marinas/Docks	\$38,800	\$1,014,700
<b>Total</b>	<b>\$38,800</b>	<b>\$1,014,700</b>
Importance Code A	\$38,800	\$1,014,700
<b>Total</b>	<b>\$38,800</b>	<b>\$1,014,700</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Marinas/Docks	\$14,100	\$5,900	\$200	\$38,500
<b>Total</b>	<b>\$14,100</b>	<b>\$5,900</b>	<b>\$200</b>	<b>\$38,500</b>
Importance Code A	\$8,300	\$5,600		\$32,700
Importance Code B	\$5,800	\$200	\$200	\$5,800
<b>Total</b>	<b>\$14,100</b>	<b>\$5,900</b>	<b>\$200</b>	<b>\$38,500</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 34TH ST FERRY LANDING BARGES**  
**Asset # : 14193**

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%			2053	**	1-3	\$24,500	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Connection At South Barge Toe Plate Bolt</i>								
<i>Explanation : Bent Connection Damage</i>								
Floating Docks								
Anchor Piles								
Steel	50%			2047	**	3-5		
<i>Missing Coating, Extent : Light, Area Affected : 10%</i>								
<i>Location : Along Guides</i>								
Not Accessible	50%							
Fenders								
Rubber	100%			2025		1-2		
<i>Worn, Extent : Light, Area Affected : 15%</i>								
<i>Location : Slips S.1, S.2 And All Slips On North Barge; Worn Moderate On Fender Panels At Berths N.1 And S.3</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bent Steel Bracket At Slip S.2</i>								
<i>Explanation : Impact Damage</i>								
Barge								
Steel	30%			2036	**	5	\$11,300	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Located At Weld And Rivet Connections</i>								
Not Accessible	70%							
Deck Elements								
Railing								
Steel	95%			2025			\$883,600	
<i>Handrail Damage, Extent : Light, Area Affected : 10%</i>								
<i>Location : Impact Damage At The South Barge, Berth S.2</i>								
Steel	5%	4+	\$4,700	2025			\$46,500	
<i>Corrosion, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Barge West Slip</i>								
<i>Missing Coating, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Barge West Slip</i>								
Electrical								
Conduit								
Steel	50%			2025			\$70,400	
Steel	10%	Now	\$2,800	2027			\$14,100	
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : At South End Of North Barge, East And West Sides Of Access Gangway</i>								
<i>Explanation : Abrasion Damage/ Broken Fitting</i>								
PVC	40%			2023			\$32,700	

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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 34TH ST FERRY LANDING BARGES**  
**Asset # : 14193**

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
Electrical								
	Lighting Fixture							
	Incandescent	90%			2021	\$34,900		
	Incandescent	10%	Now	\$200	2022	\$3,900		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Located At Northwest Corner Of The South Barge</i>								
<i>Explanation : Broken Light Bulb</i>								
Movable Ramps								
	Deck and Railing							
	Steel	90%			2036	**		
	Steel	10%	4+	\$600	2036	**		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Bent Toe Plates At Slips S.3 And N.3</i>								
<i>Explanation : Damaged Toe Plates</i>								

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : HART ISLAND FERRY DOCK  
**Address** : HART ISLAND  
**Borough** : BRONX  
**Program / Asset #** : DOT0193.000 / 13892  
**Area Sq Ft** : 1,600  
**Date of Survey** : 02-Dec-2014  
**Areas Surveyed** :  
**Block** :                      **Lot** :                      **BIN** :

**Agency's Number** : N/A  
**Yr Built/Renovated** :  
**Project Type** : FERRIES  
**Landmark Status** : NONE

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Marinas/Docks	\$150,700	\$530,300
<b>Total</b>	<b>\$150,700</b>	<b>\$530,300</b>
Importance Code A	\$150,700	\$530,300
<b>Total</b>	<b>\$150,700</b>	<b>\$530,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Marinas/Docks	\$39,900	\$7,600	\$1,800	
<b>Total</b>	<b>\$39,900</b>	<b>\$7,600</b>	<b>\$1,800</b>	
Importance Code A	\$39,900	\$7,600	\$1,800	
<b>Total</b>	<b>\$39,900</b>	<b>\$7,600</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**HART ISLAND FERRY DOCK**  
**Asset # : 13892**

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								
Deck								
Timber	100%			2024	\$124,600	5	\$3,600	
<i>Surface Wearing/Scaling, Extent : Light, Area Affected : 40%</i>								
<i>Location : Throughout Top Of Deck</i>								
Pile Caps								
Timber	100%			2046	**	4	\$2,300	
<i>Splitting, Extent : Light, Area Affected : 5%</i>								
<i>Location : Isolated Throughout</i>								
Piles and Bracing								
Timber	5%	4+	\$4,200	2046	**	4-5	\$500	
<i>Missing Connections, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Fishplate On South Side</i>								
<i>Splitting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Northwest Corner</i>								
Timber	95%			2046	**	4-5	\$16,400	
<i>Splitting, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Fender								
Facing								
Timber	10%	2-4	\$42,600	2026	\$42,600			
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Missing, Broken</i>								
Timber	40%			2025	\$170,300			
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Abrasion</i>								
Under Construction	50%							
Piles								
Timber	10%			2027	\$136,700			
Not Accessible	40%							
Under Construction	50%							
Wales and Chocks								
Timber	25%			2027	\$56,200			
Not Accessible	25%							
Under Construction	50%							
Gallows Frames								

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**HART ISLAND FERRY DOCK**  
**Asset # : 13892**

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	Priority
Gallows Frames								
Tower Frames								
Steel	25%			2035		**		
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout Steel Framework</i>								
<i>Explanation : Corrosion And Coating Loss</i>								
Steel	25%	4+	\$59,000	2039		**		
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Mudline To Mhw</i>								
<i>Explanation : Corrosion</i>								
Timber	50%			2035		**		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Cracking, Splitting</i>								
Movable Ramps								
Bearings								
Steel	50%	2-4	\$49,100	2041		**		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : At All Bearing Locations</i>								
<i>Explanation : Corrosion</i>								
Timber	50%	2-4	\$29,200	2041		**		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Along All Timber Bearing Elements</i>								
<i>Explanation : Abrasion And Leaning</i>								
Deck and Railing								
Timber Deck on Steel	70%			2035		**		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Timber Deck And Timber Stringers</i>								
<i>Explanation : Weathering</i>								
Timber Deck on Steel	5%	4+	\$6,400	2035		**		
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Steel Hardware At Timber Beams Beneath Timber Deck</i>								
<i>Explanation : Corrosion</i>								
Not Accessible	25%							

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ST. GEORGE FERRY TERMINAL FERRY SLIP 1  
**Address** : 1 BAY STREET  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : DOT0192.010 / 13894 **Yr Built/Renovated** :  
**Area Sq Ft** : 200 **Project Type** : FERRIES  
**Date of Survey** : 10-Dec-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 2 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Marinas/Docks	\$1,436,600	\$718,300
<b>Total</b>	<b>\$1,436,600</b>	<b>\$718,300</b>
Importance Code A	\$1,436,600	\$718,300
<b>Total</b>	<b>\$1,436,600</b>	<b>\$718,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Marinas/Docks	\$13,100	\$100	\$100	\$400
<b>Total</b>	<b>\$13,100</b>	<b>\$100</b>	<b>\$100</b>	<b>\$400</b>
Importance Code B	\$13,100	\$100	\$100	\$400
<b>Total</b>	<b>\$13,100</b>	<b>\$100</b>	<b>\$100</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE FERRY TERMINAL FERRY SLIP 1**

**Asset # : 13894**

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								
Timber	100%			2020	\$12,600	1-3	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 60%</i>								
<i>Location : Entire Gangway</i>								
<i>Explanation : Aging</i>								
Fender								
Facing								
Timber	50%			2021	\$718,300			
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout Splash Zone</i>								
<i>Explanation : Abrasion</i>								
Timber	50%	Now	\$718,300	2026	\$718,300			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Missing Parts</i>								
Piles								
Timber	70%			2030			**	
Not Accessible	30%							
Wales and Chocks								
Timber	100%			2030			**	
Gallows Frames								
Tower Frames								
Timber	100%			2035			**	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Vertical Supports</i>								
<i>Explanation : Splitting, Rotting</i>								

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ST. GEORGE FERRY TERMINAL FERRY SLIPS 3 - 6  
**Address** : 1 BAY STREET  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : DOT0192.030 / 13896 **Yr Built/Renovated** :  
**Area Sq Ft** : 8,600 **Project Type** : FERRIES  
**Date of Survey** : 11-Dec-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 2 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Marinas/Docks	\$5,213,300	\$29,712,500
<b>Total</b>	<b>\$5,213,300</b>	<b>\$29,712,500</b>
Importance Code A	\$5,213,300	\$29,712,500
<b>Total</b>	<b>\$5,213,300</b>	<b>\$29,712,500</b>

**EXPENSE**

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**Total**

Importance Code

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**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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE FERRY TERMINAL FERRY SLIPS 3 - 6**

**Asset # : 13896**

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	
<b>Fender</b>								
Facing								
Timber	85%			2021	\$4,414,000			
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Abrasion</i>								
Timber	5%	Now	\$259,700	2026	\$259,700			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Isolated Throughout And At North Side Of Slip 6</i>								
<i>Explanation : Missing, Broken</i>								
Under Construction	10%							
<b>Piles</b>								
Timber	10%	0-2	\$539,600	2031		**		
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Offshore Clusters, Especially Between Slips 4 And 5 And North Side Of Slip 3</i>								
<i>Explanation : Broken</i>								
Timber	50%			2027	\$26,982,100			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Top Of Piles</i>								
<i>Explanation : Splitting</i>								
Not Accessible	30%							
Under Construction	10%							
<b>Wales and Chocks</b>								
Timber	55%			2027	\$2,470,700			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Rotting, Splitting</i>								
Not Accessible	35%							
Under Construction	10%							
<b>Gallows Frames</b>								
Tower Frames								
Steel	100%			2035		**		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Isolated Throughout</i>								
<i>Explanation : Coating Loss and Corrosion</i>								
<b>Movable Ramps</b>								
Bearings								
Not Accessible	100%							
<b>Deck and Railing</b>								
Steel	70%			2035		**		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Isolated Throughout Ramp Surfaces Which Are 50/50 Asphalt/steel</i>								
<i>Explanation : Coating Loss</i>								
Not Accessible	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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ST. GEORGE FERRY TERMINAL SLIP 7  
**Address** : 1 BAY STREET  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : DOT0192.040 / 13897 **Yr Built/Renovated** :  
**Area Sq Ft** : 4,500 **Project Type** : FERRIES  
**Date of Survey** : 11-Dec-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 2 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Marinas/Docks		\$1,240,200
<b>Total</b>		<b>\$1,240,200</b>
Importance Code A		\$1,080,200
Importance Code C		\$160,000
<b>Total</b>		<b>\$1,240,200</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Marinas/Docks	\$28,300	\$1,200		\$2,700
<b>Total</b>	<b>\$28,300</b>	<b>\$1,200</b>		<b>\$2,700</b>
Importance Code A	\$9,700	\$1,200		
Importance Code C	\$18,600			\$2,700
<b>Total</b>	<b>\$28,300</b>	<b>\$1,200</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE FERRY TERMINAL SLIP 7**  
**Asset # : 13897**

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								
Deck								
Concrete	40%			2029	\$272,600	5	\$6,800	
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Isolated On Bottom Edge</i>								
Not Accessible	60%							
Pile Caps								
Concrete	10%			2046	**	5	\$2,300	
Not Accessible	90%							
Piles and Bracing								
Concrete Encased	10%			2046	**			
Timber								
Not Accessible	90%							
Protective Structure								
Pile Cluster								
Timber	20%	Now	\$18,600	2031	**	4	\$2,700	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Single Cluster</i>								
Timber	40%			2027	\$124,100	4-10	\$41,300	
Not Accessible	40%							
Deck Elements								
Railing								
Steel	100%			2024	\$465,100			
Electrical								
Lighting Fixture								
Incandescent	100%			2020	\$9,700			
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Base Of Light Pole On South Access Walkway</i>								
<i>Explanation : Corrosion</i>								
Fender								
Piles								
Timber	10%			2027	\$342,500			
No Component	85%							
Not Accessible	5%							

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

Asset Name : ST. GEORGE FERRY TERMINAL SLIP 8 AND 69TH STREET SLIP  
 Address : 1 BAY STREET  
 Borough : STATEN ISLAND Agency's Number : N/A  
 Program / Asset # : DOT0192.050 / 13898 Yr Built/Renovated :  
 Area Sq Ft : 850 Project Type : FERRIES  
 Date of Survey : 09-Dec-2014 Landmark Status : NONE  
 Areas Surveyed :  
 Block : 2 Lot : 1 BIN :

CAPITAL	FY 2020 - 2023	FY 2024 - 2029
Marinas/Docks	\$673,000	\$10,238,700
<b>Total</b>	<b>\$673,000</b>	<b>\$10,238,700</b>
Importance Code A	\$673,000	\$9,838,600
Importance Code C		\$400,100
<b>Total</b>	<b>\$673,000</b>	<b>\$10,238,700</b>

EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Marinas/Docks	\$81,000	\$2,200	\$1,900	\$100
<b>Total</b>	<b>\$81,000</b>	<b>\$2,200</b>	<b>\$1,900</b>	<b>\$100</b>
Importance Code A	\$55,500	\$2,100	\$200	
Importance Code B	\$100	\$100	\$1,800	\$100
Importance Code C	\$25,400			
<b>Total</b>	<b>\$81,000</b>	<b>\$2,200</b>	<b>\$1,900</b>	<b>\$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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE FERRY TERMINAL SLIP 8 AND 69TH STREET SLIP**  
**Asset # : 13898**

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	Priority
Access Walkways								
Deck								
Timber	100%			2024	\$83,500	5	\$2,400	
Gangways								
Aluminum	100%			2046	**	1-3	\$5,900	
Piles and Bracing								
Timber	40%			2046	**	4-5	\$4,600	
Timber	10%	Now	\$5,700	2046	**	4-5	\$600	
<i>Displaced Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Broken Timber Braces At 69th St Slip</i>								
Not Accessible	50%							
Protective Structure								
Pile Cluster								
Timber	50%			2024	\$310,300	4-10	\$110,000	
Timber	10%	2-4	\$18,600	2031	**	4	\$2,700	
<i>Not Plumb, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 69th Street Slip</i>								
Not Accessible	40%							
Deck Elements								
Railing								
Timber	100%			2020	\$15,600			
Fender								
Piles								
Timber	20%	Now	\$575,600	2031	**			
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout Both Slips</i>								
<i>Explanation : Broken Or Missing</i>								
Timber	60%			2027	\$8,634,300			
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Abrasion</i>								
Not Accessible	20%							
Wales and Chocks								
Timber	20%	Now	\$97,300	2031	**			
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : In Areas With Damaged Or Missing Piles</i>								
<i>Explanation : Broken Or Missing</i>								
Timber	80%			2024	\$778,600			
Gallows Frames								
Tower Frames								
Timber	50%	2-4	\$34,200	2041	**			
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 69th Street Slip</i>								
<i>Explanation : Splitting/ Rotting</i>								
Timber	50%			2029	\$342,200			

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : ST. GEORGE FERRY TERMINAL SLIPS B-1, B-2, AND PHANTOM  
**Address** : 1 BAY STREET  
**Borough** : STATEN ISLAND **Agency's Number** : N/A  
**Program / Asset #** : DOT0192.060 / 13899 **Yr Built/Renovated** :  
**Area Sq Ft** : 1,200 **Project Type** : FERRIES  
**Date of Survey** : 09-Dec-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 1 **Lot** : 70 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Marinas/Docks	\$346,500	\$1,047,900
<b>Total</b>	<b>\$346,500</b>	<b>\$1,047,900</b>
Importance Code A	\$346,500	\$887,800
Importance Code C		\$160,000
<b>Total</b>	<b>\$346,500</b>	<b>\$1,047,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Marinas/Docks	\$30,000	\$4,400	\$100	\$4,100
<b>Total</b>	<b>\$30,000</b>	<b>\$4,400</b>	<b>\$100</b>	<b>\$4,100</b>
Importance Code A	\$17,900	\$4,300		
Importance Code B	\$12,100	\$100	\$100	\$1,400
Importance Code C				\$2,700
<b>Total</b>	<b>\$30,000</b>	<b>\$4,400</b>	<b>\$100</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE FERRY TERMINAL SLIPS B-1, B-2, AND PHANTOM**

**Asset # : 13899**

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								
Deck								
Concrete	100%			2035	**	5	\$4,500	
<i>Cracking, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : At Phantom Slip</i>								
Gangways								
Aluminum	100%	4+	\$12,100	2052	**	1-3	\$4,600	
<i>Missing Connections, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Phantom Slip</i>								
Piles and Bracing								
Steel	50%			2036	**	5-10	\$13,800	
<i>Corrosion, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : In Tidal Zone And Splash Zone At All Slips</i>								
<i>Missing Coating, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : In Tidal Zone And Splash Zone At All Slips</i>								
Not Accessible	50%							
Protective Structure								
Pile Cluster								
Timber	60%			2027	\$124,100	4-10	\$41,300	
Not Accessible	40%							
Deck Elements								
Railing								
Timber	25%	Now	\$3,900	2021	\$3,900			
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Phantom Slip</i>								
Timber	75%			2020	\$11,700			
Fender								
Facing								
Timber	80%			2021	\$204,300			
<i>Other Observation, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Abrasion</i>								
Timber	15%	Now	\$38,300	2026	\$38,300			
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Timber Facing At Both Racks Of Phantom Slip</i>								
<i>Explanation : Broken</i>								
Not Accessible	5%							

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**ST. GEORGE FERRY TERMINAL SLIPS B-1, B-2, AND PHANTOM**  
**Asset # : 13899**

<b>Marinas/Docks</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Fender</b>								
<b>Piles</b>								
Steel	10%	2-4	\$29,700	2027	\$74,200			
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Corrosion Holes At Some Hardware Connections In Tidal Zone</i>								
<i>Explanation : Corrosion</i>								
Steel	50%	4+	\$74,200	2027	\$371,000			
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout In Tidal And Splash Zones</i>								
<i>Explanation : Missing Coating</i>								
Not Accessible	40%							
<b>Wales and Chocks</b>								
Timber	100%			2027	\$404,300			
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Splitting</i>								
<b>Gallows Frames</b>								
<b>Tower Frames</b>								
Steel	100%			2035		**		
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Isolated Throughout And At Support Brackets Slip B-1</i>								
<i>Explanation : Corrosion</i>								
<b>Movable Ramps</b>								
<b>Bearings</b>								
Steel	100%			2035		**		
<b>Deck and Railing</b>								
Steel	100%			2035		**		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Isolated At Slips B-1 And B-2</i>								
<i>Explanation : Coating Loss And Corrosion</i>								

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : WALL STREET FERRY PIER SLIPS A, C, E NORTH SIDE PIER 11  
**Address** : PIER 11, GOUVERNEUR LANE EAST RIVER  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0200.000 / 14194 **Yr Built/Renovated** :  
**Area Sq Ft** : 11,300 **Project Type** : FERRIES  
**Date of Survey** : 04-Dec-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 36 **Lot** : 18 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Marinas/Docks	\$65,400	\$793,400
<b>Total</b>	<b>\$65,400</b>	<b>\$793,400</b>
Importance Code A	\$65,400	\$793,400
<b>Total</b>	<b>\$65,400</b>	<b>\$793,400</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Marinas/Docks	\$12,400	\$8,800	\$9,300	\$34,200
<b>Total</b>	<b>\$12,400</b>	<b>\$8,800</b>	<b>\$9,300</b>	<b>\$34,200</b>
Importance Code A	\$3,800	\$8,000	\$300	\$28,300
Importance Code B	\$5,300	\$200	\$200	\$5,300
Importance Code C	\$3,300	\$600	\$8,800	\$600
<b>Total</b>	<b>\$12,400</b>	<b>\$8,800</b>	<b>\$9,300</b>	<b>\$34,200</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**WALL STREET FERRY PIER SLIPS A, C, E NORTH SIDE PIER 11**  
**Asset # : 14194**

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	Priority
Access Walkways								
Deck								
Steel	100%			2053	**			
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Bottom Of Gangways</i>								
Gangways								
Aluminum	100%			2053	**	1-3	\$22,700	
Floating Docks								
Anchor Piles								
Steel	45%			2047	**	3-5	\$15,700	
<i>Corrosion, Extent : Light, Area Affected : 20%</i>								
<i>Location : Above Mlw Elevation And At Slip E Piles</i>								
<i>Missing Coating, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Above Mlw Elevation</i>								
Not Accessible	55%							
Fenders								
Rubber	75%			2022	\$7,900	1-2	\$5,700	
<i>Worn, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Rubber	25%	2-4	\$2,600	2027	\$2,600	1-2	\$1,700	
<i>Worn, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Isolated At Fenders All Slips At North Side</i>								
Barge								
Steel	40%			2036	**	5	\$15,900	
<i>Corrosion, Extent : Light, Area Affected : 25%</i>								
<i>Location : Isolated On All Barge Surfaces And Sides, But Concentrated On Slip E Barge</i>								
Not Accessible	60%							
Protective Structure								
Donut Fender								
Steel/Rubber	60%			2026				
No Component	40%							
Deck Elements								
Railing								
Steel	100%			2025	\$793,400			
Electrical								
Conduit								
PVC	100%			2023	\$24,500			
Lighting Fixture								
Incandescent	100%			2021	\$65,400			
Movable Ramps								
Deck and Railing								
Steel	100%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : On Mechanical Elements</i>								
<i>Explanation : Corrosion</i>								

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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : WALL STREET FERRY PIER SLIPS B, D SOUTH SIDE PIER 11  
**Address** : PIER 11, GOUVERNEUR LANE EAST RIVER  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0200.010 / 14265 **Yr Built/Renovated** :  
**Area Sq Ft** : 7,560 **Project Type** : FERRIES  
**Date of Survey** : 04-Dec-2015 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 36 **Lot** : 18 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Marinas/Docks	\$38,800	\$625,300
<b>Total</b>	<b>\$38,800</b>	<b>\$625,300</b>
Importance Code A	\$38,800	\$625,300
<b>Total</b>	<b>\$38,800</b>	<b>\$625,300</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Marinas/Docks	\$6,400	\$5,800	\$4,000	\$20,300
<b>Total</b>	<b>\$6,400</b>	<b>\$5,800</b>	<b>\$4,000</b>	<b>\$20,300</b>
Importance Code A	\$1,900	\$5,400		\$16,500
Importance Code B	\$3,600	\$200	\$200	\$3,600
Importance Code C	\$900	\$200	\$3,900	\$200
<b>Total</b>	<b>\$6,400</b>	<b>\$5,800</b>	<b>\$4,000</b>	<b>\$20,300</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**WALL STREET FERRY PIER SLIPS B, D SOUTH SIDE PIER 11**

**Asset # : 14265**

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	Priority
Access Walkways								
Deck								
Steel	100%			2053	**			
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : On Gangway Supports And At Bottom Of Gangways</i>								
Gangways								
Aluminum	100%			2053	**	1-3	\$15,200	
Floating Docks								
Anchor Piles								
Steel	45%			2053	**	3-5	\$7,800	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Above Mlw Elevation</i>								
<i>Missing Coating, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Above Mlw Elevation</i>								
Not Accessible	55%							
Fenders								
Rubber	15%	0-2	\$600	2027	\$600	1-2	\$400	
<i>Worn, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Fenders On East Side Of Slip D</i>								
Rubber	85%			2022	\$3,500	1-2	\$2,500	
<i>Worn, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Barge								
Steel	40%			2036	**	5	\$10,800	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Isolated On Barge Surface At Slip D, And Along Sides Of Barges Above The Waterline</i>								
Not Accessible	60%							
Deck Elements								
Railing								
Steel	100%			2025	\$625,300			
Electrical								
Conduit								
PVC	100%			2023	\$14,500			
Lighting Fixture								
Incandescent	100%			2021	\$38,800			
Movable Ramps								
Deck and Railing								
Steel	100%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : On Mechanical Elements</i>								
<i>Explanation : Corrosion</i>								

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year 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

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : WEST MIDTOWN FERRY TERMINAL PIER 79 NORTH RIVER  
**Address** : WEST 39TH ST AND 12TH AVEE @THE HUDSON RIVER  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0201.000 / 14195 **Yr Built/Renovated** : 2005 /  
**Area Sq Ft** : 19,512 **Project Type** : FERRIES  
**Date of Survey** : 02-Feb-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 665 **Lot** : 14 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Marinas/Docks	\$300,600	\$953,500
<b>Total</b>	<b>\$300,600</b>	<b>\$953,500</b>
Importance Code A	\$300,600	\$953,500
<b>Total</b>	<b>\$300,600</b>	<b>\$953,500</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Marinas/Docks	\$51,100	\$36,900	\$2,300	\$17,200
<b>Total</b>	<b>\$51,100</b>	<b>\$36,900</b>	<b>\$2,300</b>	<b>\$17,200</b>
Importance Code A	\$25,200	\$34,500		
Importance Code B	\$15,800	\$700	\$700	\$15,500
Importance Code C	\$10,100	\$1,700	\$1,600	\$1,700
<b>Total</b>	<b>\$51,100</b>	<b>\$36,900</b>	<b>\$2,300</b>	<b>\$17,200</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**WEST MIDTOWN FERRY TERMINAL PIER 79 NORTH RIVER**

**Asset # : 14195**

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								
Deck								
Steel	15%			2047	**			
No Component	85%							
Gangways								
Aluminum	95%			2047	**	1-3	\$62,600	
Aluminum	5%	4+	\$1,100	2047	**	1-3	\$2,500	
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Beneath Base Plates At North And South Gangways, East Ends</i>								
<i>Explanation : Deteriorated Grout Pads</i>								
Piles and Bracing								
Steel	50%			2047	**	5-10	\$1,100	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Above Mlw</i>								
<i>Missing Coating, Extent : Light, Area Affected : 20%</i>								
<i>Location : Above Mlw</i>								
Not Accessible	50%							
Floating Docks								
Anchor Piles								
Steel	50%			2047	**	3-5		
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Above Mlw</i>								
<i>Missing Coating, Extent : Light, Area Affected : 15%</i>								
<i>Location : Above Mlw</i>								
Not Accessible	50%							
Fenders								
Rubber	60%			2025	\$13,900	1-2	\$10,000	
Rubber	40%	2-4	\$9,300	2027	\$9,300	1-2	\$5,900	
<i>Worn, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : At Contact Point With Ferries</i>								
Railing								
Steel	100%			2025	\$879,300			
<i>Broken, Extent : Light, Area Affected : 10%</i>								
<i>Location : Mid Rail At Slip 2</i>								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WEST MIDTOWN FERRY TERMINAL PIER 79 NORTH RIVER**

**Asset # : 14195**

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	
Floating Docks								
Barge								
Steel	48%			2036	**	5	\$69,000	
<i>Corrosion, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Isolated Throughout Top And Sides Of Barges And At Access Hatches</i>								
<i>Displaced Component, Extent : Light, Area Affected : 10%</i>								
<i>Location : Up To 2 Inches At Connections Between Center Barge And North And South Barges</i>								
<i>Worn, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : On Vertical Faces Of Barges At Barge Pin Connections, West Side</i>								
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : On Side Of Barge, Northeast Corner</i>								
<i>Explanation : Impact Damage In Center Barge</i>								
Steel	2%	4+	\$23,700	2036	**	5	\$1,400	
<i>Corrosion, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Hole In Access Hatch, East Side Of North Barge</i>								
Not Accessible	50%							
Electrical								
Conduit								
Steel	98%			2025			\$72,700	
Steel	2%	Now	\$1,500	2027			\$1,500	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At East Side Of South Barge, South Of Gangway</i>								
<i>Explanation : Detached Grounding Cable</i>								
Lighting Fixture								
Incandescent	100%			2021			\$261,700	
Fender								
Piles								
Timber	50%	Now	\$25,900	2032	**			
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : At North Dolphin</i>								
<i>Explanation : Broken Piles</i>								
Timber	25%	2-4	\$13,000	2032	**			
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : At South Dolphin</i>								
<i>Explanation : Abrasion Damage And Broken Wire Rope</i>								
Not Accessible	25%							
Movable Ramps								
Deck and Railing								
Steel	100%			2036	**			

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

Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : WHITEHALL FERRY TERMINAL FERRY SLIPS 1 - 3  
**Address** : UPPER NEW YORK BAY SOUTH ST AND WHITEHALL ST  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0190.000 / 13889 **Yr Built/Renovated** :  
**Area Sq Ft** : 6,510 **Project Type** : FERRIES  
**Date of Survey** : 08-Sep-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Marinas/Docks	\$2,569,500	\$12,954,900
<b>Total</b>	<b>\$2,569,500</b>	<b>\$12,954,900</b>
Importance Code A	\$2,569,500	\$12,954,900
<b>Total</b>	<b>\$2,569,500</b>	<b>\$12,954,900</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Marinas/Docks	\$17,400			
<b>Total</b>	<b>\$17,400</b>			
Importance Code A	\$17,400			
<b>Total</b>	<b>\$17,400</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.*

**DEPARTMENT OF TRANSPORTATION - 841**  
**WHITEHALL FERRY TERMINAL FERRY SLIPS 1 - 3**

**Asset # : 13889**

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	Priority
Access Walkways								
Deck								
Concrete	45%			2035	**	5		
		<i>Cracking, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Isolated Throughout</i>						
Timber	5%			2024		5		
Not Accessible	50%							
Piles and Bracing								
Steel	10%			2046	**	5-10		
		<i>Corrosion, Extent : Light, Area Affected : 30%</i>						
		<i>Location : Above Mlw</i>						
Not Accessible	90%							
Fender								
Facing								
Timber	15%	2-4	\$335,200	2024	\$335,200			
		<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Abrasion</i>						
Timber	85%			2021	\$1,899,500			
		<i>Other Observation, Extent : Light, Area Affected : 30%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Abrasion</i>						
Piles								
Timber	5%	Now	\$40,500	2031	**			
		<i>Other Observation, Extent : Severe, Area Affected : 40%</i>						
		<i>Location : Offshore Clusters</i>						
		<i>Explanation : Broken</i>						
Timber	10%	4+	\$80,900	2031	**			
		<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Impact Damage</i>						
Timber	45%			2027	\$7,285,200			
Not Accessible	40%							
Wales and Chocks								
Timber	10%	2-4	\$213,400	2031	**			
		<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Isolated Throughout</i>						
		<i>Explanation : Impact Damage</i>						
Timber	50%			2027	\$5,334,500			
Not Accessible	40%							
Gallows Frames								
Tower Frames								
Steel	100%			2035	**			
		<i>Other Observation, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Isolated Throughout</i>						
		<i>Explanation : Coating Damage</i>						
Movable Ramps								

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WHITEHALL FERRY TERMINAL FERRY SLIPS 1 - 3**

**Asset # : 13889**

<b>Marinas/Docks</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>
Movable Ramps								
Bearings								
Not Accessible	100%							
Deck and Railing								
Steel	65%			2035		* *		
		<i>Other Observation, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Coating Loss On Railing</i>						
Steel	5%	0-2	\$17,400	2035		* *		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Slip Two Bottom Ramp</i>						
		<i>Explanation : Asphalt Deck Surface Delaminating</i>						
Not Accessible	30%							

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Print Date : 25-Oct-2018

**DEPARTMENT OF TRANSPORTATION - FY 2019**

**Asset Name** : YANKEE STADIUM FERRY LANDING  
**Address** : OFFSHORE OF YANKEE STADIUM PARKING LOT NO 3. EXIT 6 OFF I87  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0202.000 / 14196 **Yr Built/Renovated** :  
**Area Sq Ft** : 2,948 **Project Type** : FERRIES  
**Date of Survey** : 11-Feb-2016 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 2539 **Lot** : 4 **BIN** :

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>	<b>FY 2024 - 2029</b>
Marinas/Docks		\$298,000
<b>Total</b>		<b>\$298,000</b>
Importance Code A		\$298,000
<b>Total</b>		<b>\$298,000</b>

<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Marinas/Docks	\$28,800	\$12,000	\$400	\$2,800
<b>Total</b>	<b>\$28,800</b>	<b>\$12,000</b>	<b>\$400</b>	<b>\$2,800</b>
Importance Code A	\$3,000	\$11,800		\$700
Importance Code B	\$25,700	\$100	\$100	\$2,000
Importance Code C	\$100	\$100	\$300	\$100
<b>Total</b>	<b>\$28,800</b>	<b>\$12,000</b>	<b>\$400</b>	<b>\$2,800</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**YANKEE STADIUM FERRY LANDING**  
**Asset # : 14196**

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								
Steel	100%	Now	\$25,700	2057	**	1-3	\$6,600	
<i>Corrosion, Extent : Light, Area Affected : 15%</i>								
<i>Location : At Underside And Along Surface Of East And West Gangways</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Both North And South Support Beams Sheared At West End</i>								
<i>Explanation : Broken</i>								
Floating Docks								
Anchor Piles								
Steel	25%			2047	**	3-5	\$1,500	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Above Waterline</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Above Waterline</i>								
<i>Explanation : Abrasion</i>								
Steel	25%	0-2	\$2,700	2057	**	3-5	\$1,100	
<i>Not Plumb, Extent : Severe, Area Affected : 50%</i>								
<i>Location : North Anchor Pile</i>								
Not Accessible	50%							
Deck								
Steel	100%			2025			\$2,700	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Surface And Underside Of Elevated Platform</i>								
Fenders								
Rubber	25%			2025	\$500	1-2	\$400	
<i>Worn, Extent : Light, Area Affected : 2%</i>								
<i>Location : Rubber Tires At West Side</i>								
Rubber	25%			2025	\$500	1-2	\$400	
<i>Worn, Extent : Light, Area Affected : 2%</i>								
<i>Location : North Face Of Barge</i>								
Timber	25%			2025	\$300	3	\$800	
<i>Worn, Extent : Light, Area Affected : 10%</i>								
<i>Location : South Face Of Barge</i>								
No Component	25%							
Barge								
Steel	60%			2036	**	5	\$5,700	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Along Sides Of Barge Above The W. L. And Isolated At Barge Surface</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Barge Listing To The Southwest</i>								
<i>Explanation : Listing</i>								
Not Accessible	40%							
Deck Elements								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**YANKEE STADIUM FERRY LANDING**  
**Asset # : 14196**

<b>Marinas/Docks</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Deck Elements</b>								
Railing								
Steel	100%			2025	\$298,000			
		<i>Corrosion, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Isolated Throughout</i>						
<b>Electrical</b>								
Conduit								
Steel	100%			2025	\$15,200			
Lighting Fixture								
Sodium	100%			2021	\$9,000			

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**DEPARTMENT OF TRANSPORTATION - 841**

**Project : HIGHWAYS**

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>		<b>FY 2024 - 2029</b>	
Miscellaneous Buildings	403,900		173,800	
<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Miscellaneous Buildings	137,300	14,000	19,000	16,000

<b>ASSET #</b>	<b>NAME</b>	<b>SQFT</b>	<b>CAPITAL</b>	<b>EXPENSE</b>
545	ARTERIAL AND FLEET SERVICES SHED 2	1,000	35,700	2,700
546	ARTERIAL AND FLEET SERVICES SHED 3	1,000	35,700	2,700
547	ARTERIAL AND FLEET SERVICES SHED 4	1,000	35,700	2,700
548	ARTERIAL AND FLEET SERVICES GUARD HOUSE 1	96	0	2,700
553	KENT AVENUE BRIDGE COMPLEX GARAGE 6, 7 AND BOILER ROOM	2,248	80,200	6,100
565	ARTERIAL AND FLEET SERVICES STORAGE 2	1,073	38,300	2,900
566	ARTERIAL AND FLEET SERVICES TRAILER 1	300	0	8,300
567	ARTERIAL AND FLEET SERVICES TRAILER 2	224	0	6,200
568	ARTERIAL AND FLEET SERVICES TRAILER 3	480	0	13,300
569	ARTERIAL AND FLEET SERVICES TRAILER 4	480	0	13,300
570	ARTERIAL AND FLEET SERVICES SHED 1	600	0	16,600
1014	GLENDALE YARD BLDG. 6	831	0	23,000
1015	GLENDALE YARD BLDG. 5	913	32,600	2,500
1016	GLENDALE YARD BLDG. 8	600	0	16,600
1017	GLENDALE YARD BLDG. 9	288	0	8,000
1025	HAMILTON AVE. ASPHALT PLANT STORAGE	1,472	52,500	4,000
1026	HAMILTON AVE. ASPHALT PLANT STORAGE	96	0	2,700
1027	FLATLANDS AVENUE YARD GARAGE 7	105	0	2,900
1037	FLATLANDS AVENUE YARD GARAGE 3	480	0	13,300
1038	FLATLANDS AVENUE YARD GARAGE 4	1,000	35,700	2,700
1039	FLATLANDS AVENUE YARD GARAGE 5	1,000	35,700	2,700
1040	FLATLANDS AVENUE YARD GARAGE 6	576	0	15,900
14124	BROOKLYN ARTERIAL HWYS GARAGE	4,425	157,900	11,900
14853	BROOKLYN ARTERIAL HIGHWAY GARAGE STORAGE SHED	1,062	37,900	2,900

**Project : WATERWAY BRIDGES**

<b>CAPITAL</b>	<b>FY 2020 - 2023</b>		<b>FY 2024 - 2029</b>	
Special Systems	669,000,000		0	
<b>EXPENSE</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Special Systems	14,403,000	14,595,000	14,795,000	15,001,000

<b>ASSET #</b>	<b>NAME</b>	<b>SQFT</b>	<b>CAPITAL</b>	<b>EXPENSE</b>
2462	MANHATTAN BRIDGE MANHATTAN BRIDGE/EAST RIVER	1,203,814	103,000,000	13,354,000

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## DEPARTMENT OF TRANSPORTATION - 841

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
2463	WILLIAMSBURG BRIDGE WILLIAMSBURG BR/EAST RIVER	741,020	0	15,359,000
2464	QUEENSBORO BRIDGE QUEENSBORO BR/EAST RIVER	1,287,107	316,000,000	16,708,000
2815	BROOKLYN BRIDGE BROOKLYN BRIDGE/I-278 BQE	633,015	250,000,000	13,373,000

## Project : FERRIES

CAPITAL	FY 2020 - 2023			FY 2024 - 2029
Special Systems	24,265,000			0
EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Special Systems	10,238,000	10,238,000	10,238,000	10,238,000

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
1018	FERRY-JOHN F. KENNEDY		0	17,352,000
1021	FERRY-ANDREW J. BARBIERI		0	352,000
1022	FERRY-SAMUEL I. NEWHOUSE		5,630,000	352,000
4307	FERRY-ALICE AUSTEN		2,815,000	320,000
4308	FERRY-JOHN A. NOBLE		1,365,000	320,000
4538	FERRY-MOLINARI		5,300,000	10,952,000
4539	FERRY-MARCHI		5,300,000	10,952,000
4540	FERRY-SPIRIT AMERICA		2,730,000	352,000
4545	FERRY-OLLIS		550,000	0
4546	FERRY-SANDY GROUND		575,000	0

## Project : ELECTRIC CONTROL

CAPITAL	FY 2020 - 2023			FY 2024 - 2029
Special Systems	33,301,000			0
EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Special Systems	22,530,000	34,497,000	34,497,000	34,497,000

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
2829	STREET LIGHTING SYSTEM		33,301,000	126,021,000

## Project : HIGHWAYS

CAPITAL	FY 2020 - 2023			FY 2024 - 2029
Special Systems	2,810,480,000			0
EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Special Systems	0	0	0	0

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
2841	STREETS AND HIGHWAYS PRIMARY		447,550,000	0
2842	STREETS AND HIGHWAYS SECONDARY		649,310,000	0
2843	STREETS AND HIGHWAYS LOCAL		1,635,610,000	0
2844	STREETS AND HIGHWAYS ARTERIAL		40,000,000	0

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## DEPARTMENT OF TRANSPORTATION - 841

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
2845	STREETS AND HIGHWAYS STEP		38,010,000	0

Project : TRAFFIC

CAPITAL	FY 2020 - 2023		FY 2024 - 2029	
Special Systems	18,545,000		0	
EXPENSE	FY 2020	FY 2021	FY 2022	FY 2023
Special Systems	33,326,000	36,356,000	36,356,000	36,356,000

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
2830	TRAFFIC LIGHT SYSTEM		18,545,000	142,394,000

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