

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$428,300	\$800,400
Interior Architecture	\$1,145,900	\$638,100
<b>Total</b>	<b>\$1,574,200</b>	<b>\$1,438,400</b>
Importance Code A	\$428,300	\$800,400
Importance Code B	\$987,600	\$532,500
Importance Code C	\$158,400	\$105,600
<b>Total</b>	<b>\$1,574,200</b>	<b>\$1,438,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$35,000			
Interior Architecture			\$19,400	
Electrical	\$1,100	\$800	\$700	\$700
Mechanical	\$300	\$300	\$100	\$300
<b>Total</b>	<b>\$36,500</b>	<b>\$1,000</b>	<b>\$20,100</b>	<b>\$900</b>
Importance Code A	\$35,100	\$100		\$100
Importance Code B	\$1,300	\$900	\$20,100	\$800
<b>Total</b>	<b>\$36,500</b>	<b>\$1,000</b>	<b>\$20,100</b>	<b>\$900</b>



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

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

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

**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	\$698,300	
Metal/Glass Curt Wall	17%			LIFE	**	5	\$158,300	
Metal Panel	30%	4+	\$10,500	2052	**	5	\$139,700	
<i>Deteriorated Finish, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Window Wall	2%			2052	**	5	\$18,600	
Wood	6%	4+	\$15,300	2043	**	5	\$37,200	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Ticket Booth Facade</i>								
<b>Windows</b>								
Aluminum	100%			2048	**	5		
<b>Roof</b>								
Single Ply Membrane	92%			2034	**	10	\$195,200	
<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 assume Concrete Deck</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	50%			LIFE	**	5	\$677,700	
Vinyl Tile	50%			2034	**	3	\$58,100	
<b>Interior Walls</b>								
Concrete Masonry Unit	50%			LIFE	**	5	\$84,500	
Gypsum Board	50%			LIFE	**	5-10	\$179,500	
<b>Ceilings</b>								
Exposed Struc: Steel	50%			LIFE	**	10	\$309,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : Metal Decking</i>								
Gypsum Board	50%			LIFE	**	5-10	\$532,500	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
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 @ 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>Priority</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	\$200	
<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 @ 77 Kw</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, 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 System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
<b>Heating</b>							
Energy Source							
Electricity	15%			2052	**	1	
No Component	85%						
<b>Conversion Equipment</b>							
Heat Pump	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%						
<b>Terminal Devices</b>							
Fan Coil Unit/Heat	10%			2034	**	1	\$300
No Component	90%						
<b>Air Conditioning</b>							
Energy Source							
Electricity	10%			2048	**	1	
No Component	90%						
<b>Conversion Equipment</b>							
Heat Pump	10%			2030	**	2	
		<i>R-134a Refrigerant, Extent : Light, Area Affected : 10%</i>					
		<i>Location : Ticket Office Roof</i>					
No Component	90%						
<b>Terminal Devices</b>							
Fan Coil - Cool/Heat	10%			2034	**	1	\$300
No Component	90%						
<b>Heat Rejection</b>							
Air Condenser Unit	10%			2034	**	2	\$500
No Component	90%						
<b>Ventilation</b>							
<b>Distribution</b>							
Ductwork/Diffusers	10%			LIFE	**	2-5	\$700
No Component	90%						
<b>Exhaust Fans</b>							
Roof	10%			2034	**	2	
No Component	90%						
<b>Plumbing</b>							
<b>H/C Water Piping</b>							
Brass/Copper	10%			2052	**	1	
No Component	90%						
<b>Water Heater</b>							
Not Accessible	100%						
<b>Sanitary Piping</b>							
Cast Iron	10%			LIFE	**	1	
No Component	90%						
<b>Backflow Preventer</b>							
No Component	90%						
Generic	10%			2034	**	1	\$100

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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>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Plumbing								
Fixtures								
Generic	100%							

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$1,047,000	\$2,088,100
Interior Architecture	\$1,207,200	\$533,500
Electrical		\$413,800
Mechanical	\$69,200	\$184,400
<b>Total</b>	<b>\$2,323,400</b>	<b>\$3,219,800</b>
Importance Code A	\$1,047,000	\$2,088,100
Importance Code B	\$1,221,300	\$1,131,700
Importance Code C	\$55,000	
<b>Total</b>	<b>\$2,323,400</b>	<b>\$3,219,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$75,400		\$18,400	
Interior Architecture	\$61,800		\$10,100	\$19,700
Electrical	\$45,300	\$27,700	\$34,600	\$27,200
Mechanical	\$142,200	\$102,000	\$171,700	\$89,000
Elevators/Escalators	\$15,200	\$15,200	\$15,200	\$15,200
<b>Total</b>	<b>\$339,900</b>	<b>\$144,900</b>	<b>\$249,900</b>	<b>\$151,200</b>
Importance Code A	\$90,400	\$12,400	\$33,800	\$12,400
Importance Code B	\$218,600	\$132,500	\$216,200	\$122,100
Importance Code C	\$30,900			\$16,700
<b>Total</b>	<b>\$339,900</b>	<b>\$144,900</b>	<b>\$249,900</b>	<b>\$151,200</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	
Exterior								
Exterior Walls								
Glass Block	1%			LIFE	**	5	\$3,700	
Masonry: Brick	30%			LIFE	**	5	\$176,700	
Metal, Corrugated	30%			2046	**	1		
Metal/Glass Curt Wall	25%			LIFE	**	5	\$276,100	
<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	\$14,000	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	**	5-10	\$23,000	
Metal Panel	10%	4+	\$12,700	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	\$22,900	2021	\$229,300	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	**	10	\$76,300	
Metal Panel	15%			2039	**	10	\$125,900	
Modified Bitumen	40%	Now	\$104,100	2026	\$1,041,200			
<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	\$80,100	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	\$610,200	
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**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	20%			LIFE	**	5	\$213,600	
<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	\$831,500	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	\$11,400	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Waiting Room</i>								
<i>Explanation : Inlaid Harbor Map</i>								
Terrazzo	2%	Now	\$22,200	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	
<b>Interior Walls</b>								
Ceramic Tile	20%			2035	**	5	\$33,400	
Concrete Masonry Unit	15%			LIFE	**	5	\$20,000	
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	**	5-10	\$85,000	
SGFT/Glazed Masonry	25%			LIFE	**	10	\$20,800	
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2039	**	5	\$20,100	
Exposed Concrete	20%			LIFE	**	5-10	\$50,300	
Exposed Struc: Steel	10%			LIFE	**	10	\$40,200	
Gypsum Board	40%	Now	\$79,400	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	\$100,500	

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

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

**Asset # : 2420**

Electrical	Current 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>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 Amps, Four 3200 Amps And Two 2000 Amp 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	\$8,200	
<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 Component Type</b>	<b>% of Total</b>	<b>Fail 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	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 Kw</i>								
Diesel	10%			2029	**	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%			2019	\$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 Gallons</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>								
<b>Interior Lighting</b>								
Fluorescent	65%			2031	**	10	\$166,400	
<i>T-8 Lamps, 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		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	\$20,600	
Terminal Devices								
Air Handler	50%			2031	**	1	\$86,300	
Convactor/Radiator	35%			2039	**	1	\$31,600	
Unit Heater-Stm/HW	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	
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								
Chilled Wtr Pipe/Pump	100%			2046	**	4	\$20,600	
Terminal Devices								
Air Handler/Cool/Ht	100%			2031	**	1	\$172,600	
Heat Rejection								
Water Cool Tower	100%	4+	\$15,700	2027	**	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	\$246,400	
<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	\$29,600	2	\$3,400	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Electric	100%			2024	\$42,300	4	\$1,600	
<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+	\$19,000	LIFE	**	1		
<i>Blockage /Clogged, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roof</i>								
Sewage Ejector(s)								
Electric	100%			2031	**	4	\$1,600	
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$105,100	\$285,800
Interior Architecture	\$209,600	\$174,700
Electrical		\$665,800
Mechanical	\$48,200	\$2,156,000
<b>Total</b>	<b>\$362,900</b>	<b>\$3,282,300</b>
Importance Code A	\$105,100	\$294,200
Importance Code B	\$257,700	\$2,988,100
<b>Total</b>	<b>\$362,900</b>	<b>\$3,282,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$59,100	\$10,100	\$19,200	
Interior Architecture	\$47,100			\$7,600
Electrical	\$1,900	\$600	\$1,700	\$600
Mechanical	\$59,000	\$13,400	\$41,500	\$15,800
Elevators/Escalators	\$7,900	\$7,900	\$7,900	\$7,900
<b>Total</b>	<b>\$174,900</b>	<b>\$32,000</b>	<b>\$70,400</b>	<b>\$31,900</b>
Importance Code A	\$62,800	\$13,900	\$23,000	\$3,800
Importance Code B	\$94,500	\$18,100	\$47,400	\$27,000
Importance Code C	\$17,600			\$1,200
<b>Total</b>	<b>\$174,900</b>	<b>\$32,000</b>	<b>\$70,400</b>	<b>\$31,900</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>								
Exterior Walls								
Cast in Place Concrete	5%			LIFE	**	5	\$75,100	
Masonry: Brick	35%	4+	\$31,000	LIFE	**	5	\$52,600	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	45%			LIFE	**	5	\$135,200	
Metal Panel	10%			2046	**	5-10	\$103,300	
Metal Coiling Doors	5%			2039	**	5	\$23,500	
<b>Windows</b>								
Aluminum	100%			2048	**	5	\$20,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Parapets</b>								
Masonry: Brick	85%			LIFE	**	5-10	\$30,900	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Metal Panel	10%			2046	**	5	\$2,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$3,300	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Roof</b>								
Metal Panel	5%			2039	**	10	\$7,500	
Single Ply Membrane	30%			2031	**	10	\$24,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Upper Roof Area</i>								
Single Ply Membrane	65%			2034	**	10	\$53,000	
<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>								
Floors								
Cast in Place Concrete	70%	2-4	\$81,100	LIFE	**	5	\$174,700	
<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	\$5,700	
Vinyl Tile	25%	2-4	\$47,400	2031	**	3	\$10,700	
<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>	
<b>Interior</b>								
<b>Interior Walls</b>								
Ceramic Tile	5%			2035	**	5	\$2,300	
Concrete Masonry Unit	85%			LIFE	**	5	\$31,500	
Gypsum Board	10%	2-4	\$1,900	LIFE	**	5	\$2,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	25%	0-2	\$4,500	2039	**	5	\$14,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Third Floor</i>								
Exposed Concrete	65%			LIFE	**	5-10	\$92,700	
Gypsum Board	10%			LIFE	**	5-10	\$39,200	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	80%			2036	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 4000 Amps Main Disconnect Switch</i>								
Photovoltaic Panel(s)	20%			2029	**	1		
<b>Transformers</b>								
Dry Type	100%			2031	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 15 Kva 480hv-208y/120 Kva</i>								
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%			2036	**	5	\$400	
<b>Raceway</b>								
Conduit	100%			2036	**	1		
<b>Panelboards</b>								
Fused Disc Sw	10%			2034	**	5	\$200	
Molded Case Bkrs	90%			2034	**	5	\$2,000	
<b>Wiring</b>								
Thermoplastic	100%			2036	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2031	**	5	\$600	
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$2,500	
<b>Lighting</b>								

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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>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Lighting</b>								
Interior Lighting								
Fluorescent	70%			2034	* *	10	\$48,900	
		<i>T-8 Lamps, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
HID	30%			2026	\$291,200	10	\$700	
<b>Egress Lighting</b>								
Emergency, Battery	50%			2026	\$50,200	10	\$9,200	
Exit, Battery	50%			2026	\$17,100	10	\$2,600	
<b>Exterior Lighting</b>								
Fluorescent	20%			2026	\$53,200	10	\$1,600	
		<i>T-8 Lamps, 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	\$50,200	1	\$6,400	
<b>Fire/Smoke Detection</b>								
No Component	80%							
Generic, Digital	20%			2026	\$172,000			
<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%			2052	* *	1		
<b>Conversion Equipment</b>								
Furnace	70%			2034	* *	1	\$26,400	
Hot Water Boiler	5%			2024	\$8,400	1	\$1,900	
		<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	\$9,400	
<b>Distribution</b>								
Hot Wtr Piping/Pump	100%			2048	* *	4	\$3,800	
<b>Terminal Devices</b>								
Air Handler	60%	Now	\$48,200	2021	\$240,800	1	\$25,500	
		<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	\$445,800	1	\$9,900	
		<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						

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

Mechanical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Ext Pkg Unit - Cooling	20%			2026	\$68,700	2	\$900	
Split Unit	70%			2031	**			
Window/Wall Unit	10%			2024	\$15,300	1		
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$123,900	
Dehumidifier								
Not Accessible	100%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$67,300	
Exhaust Fans								
Roof	60%			2026	\$35,500	2	\$1,400	
Wall Unit	40%			2031	**	2	\$900	
<b>Plumbing</b>								
H/C Water Piping								
Galv Iron/Steel	100%			2024	\$222,300	1		
Water Heater								
Oil Fired	100%			2024	\$23,100	1	\$2,200	
			<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	\$10,800	4	\$2,500	
Fixtures								
Generic	100%							
<b>Vertical Transport</b>								
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>					
<b>Fire Suppression</b>								
Standpipe								
Generic	100%			2026	\$265,600	1-5	\$39,800	
Sprinkler								
Generic	100%			2026	\$869,000	1-2	\$21,300	

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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$835,000	\$1,272,200
Interior Architecture	\$814,100	\$415,000
<b>Total</b>	<b>\$1,649,100</b>	<b>\$1,687,200</b>
Importance Code A	\$835,000	\$1,272,200
Importance Code B	\$712,800	\$351,600
Importance Code C	\$101,300	\$63,300
<b>Total</b>	<b>\$1,649,100</b>	<b>\$1,687,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture		\$7,800	\$15,500	
Interior Architecture	\$61,300	\$15,500	\$63,400	
Electrical	\$2,300	\$1,900	\$2,900	\$3,400
Mechanical	\$7,500	\$1,500	\$2,400	\$1,500
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$75,100</b>	<b>\$30,600</b>	<b>\$88,200</b>	<b>\$8,900</b>
Importance Code A		\$7,800	\$15,500	
Importance Code B	\$47,700	\$22,900	\$67,400	\$8,900
Importance Code C	\$27,400		\$5,300	
<b>Total</b>	<b>\$75,100</b>	<b>\$30,600</b>	<b>\$88,200</b>	<b>\$8,900</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.

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**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>	
<b>Exterior</b>								
Exterior Walls								
Metal Panel	13%			2052	**	5-10	\$221,900	
Metal Coiling Doors	2%			2043	**	5	\$15,500	
Stucco Cement	5%			2039	**	5	\$31,000	
Window Wall	80%			2052	**	5	\$744,800	
Parapets								
Metal Rail	100%			2043	**	5-10	\$843,400	
Roof								
Cast in Place Concrete	20%			LIFE	**	10	\$70,700	
Spray-on Foam	80%			2031	**	5	\$226,300	
<b>Interior</b>								
Floors								
Carpet	35%			2025	\$1,351,800	3	\$162,700	
Cast in Place Concrete	5%			LIFE	**	5	\$67,800	
Ceramic Tile	50%	Now	\$146,600	2035	**	5	\$77,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Poor Subfloor Evident, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	10%			2031	**	3	\$11,600	
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$10,600	
Concrete Masonry Unit	5%			LIFE	**	5	\$8,400	
Glass: Single Pane	40%			LIFE	**	5	\$126,700	
Gypsum Board	10%			LIFE	**	5-10	\$35,900	
Metal Panel	40%			LIFE	**	10	\$38,000	
Ceilings								
AcousTileSusp.Lay-In	10%			2043	**	5	\$31,000	
Embossed Metal	30%	Now	\$159,600	LIFE	**	5	\$41,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Gypsum Board	60%			LIFE	**	5-10	\$639,000	

<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>								
Service Equipment								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 4000 Amps Main Dfiscconnect 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.

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**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>								
<b>Transformers</b>								
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>								
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%			2046	**	5	\$100	
<b>Raceway</b>								
Conduit	100%			2046	**	1		
<b>Panelboards</b>								
Fused Disc Sw	10%			2042	**	5		
Molded Case Bkrs	90%			2034	**	5	\$500	
<b>Wiring</b>								
Thermoplastic	100%			2046	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2039	**	5	\$100	
<b>Ground</b>								
<b>Grounding Devices</b>								
Not Accessible	100%							
<b>Stand-by Power</b>								
<b>Transfer Switches</b>								
Automatic	100%			2039	**	1	\$6,200	
<b>Generators</b>								
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>								
<b>Batteries</b>								
Lead/Acid	100%			2020	\$1,500	5	\$700	
<b>Fuel Storage</b>								
Main Tank	100%			2054	**	5	\$600	
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	20%			2031	**	10	\$3,700	
<i>Other Observation, Extent : Moderate, 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 : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
Incandescent	5%			2031	**	2		
<b>Egress Lighting</b>								
Emergency, Service	70%			2031	**	1		
Exit, LED	30%			2054	**	1		

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**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>Lighting</b>								
Exterior Lighting Fluorescent	20%			2031	**	10	\$400	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Walkway Shade</i>						
		<i>Explanation : T-8 Lamps</i>						
HID	80%			2031	**	10		
<b>Lightning Protection</b>								
Arresters/Cabling Generic	100%			2054	**	5	\$600	
<b>Alarm</b>								
Security System No Component Generic	30%			2031	**	1	\$5,300	
70%								
Fire/Smoke Detection Generic, Analog	100%			2031	**			
<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%			2052	**	1		
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2048	**	1		
Conversion Equipment Ext Pkg Unit - Heating/Cooling	100%			2034	**	2	\$1,200	
		<i>R-22 Refrigerant, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Roof, A C Units</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 5 Units Provide Heating Through Built In Gas Furnace</i>						
<b>Ventilation</b>								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$17,800	
Exhaust Fans Roof No Component	15%			2034	**	2	\$100	
85%								
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : Ventilation Process Through A C Units</i>						
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	100%			2052	**	1		

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**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	\$3,100	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 : 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	

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : WHITEHALL FERRY TERMINAL  
**Address** : SOUTH & WHITEHALL STREETS @ 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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$322,000	\$1,329,000
Interior Architecture	\$695,900	\$556,600
Electrical		\$132,900
Mechanical	\$923,300	\$3,088,700
<b>Total</b>	<b>\$1,941,200</b>	<b>\$5,107,200</b>
Importance Code A	\$322,000	\$1,418,000
Importance Code B	\$1,522,100	\$3,638,500
Importance Code C	\$97,100	\$50,700
<b>Total</b>	<b>\$1,941,200</b>	<b>\$5,107,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$55,200			
Interior Architecture	\$39,700	\$23,200	\$3,900	\$31,000
Electrical	\$30,000	\$16,700	\$21,900	\$18,200
Mechanical	\$63,100	\$129,200	\$81,000	\$114,300
Elevators/Escalators	\$32,600	\$32,600	\$32,600	\$32,600
<b>Total</b>	<b>\$220,600</b>	<b>\$201,700</b>	<b>\$139,400</b>	<b>\$196,000</b>
Importance Code A	\$64,400	\$11,100	\$9,200	\$11,100
Importance Code B	\$150,600	\$190,600	\$130,200	\$184,900
Importance Code C	\$5,700			
<b>Total</b>	<b>\$220,600</b>	<b>\$201,700</b>	<b>\$139,400</b>	<b>\$196,000</b>



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**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	\$31,000	
Metal, Corrugated	10%			2046	**	1		
Metal Panel	20%			2046	**	5-10	\$341,400	
Pre-Cast Concrete	5%			LIFE	**	5	\$80,700	
Window Wall	55%			2046	**	5	\$512,100	
Parapets								
Concrete Masonry Unit	10%			LIFE	**	5-10	\$25,600	
Metal Panel	5%			2046	**	5	\$9,000	
Metal Rail	85%			2043	**	5-10	\$716,900	
Roof								
Modified Bitumen	80%	Now	\$19,300	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	\$193,100	3	\$31,000	
Cast in Place Concrete	25%			LIFE	**	5	\$338,900	
<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	\$46,500	
Terrazzo	35%			LIFE	**	5	\$169,400	
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	\$101,300	
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	**	5-10	\$71,800	
Metal Panel	10%	4+	\$5,700	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	**	10	\$92,900	
Gypsum Board	5%	Now	\$3,100	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	\$503,500	

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

System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
<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 Amps</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	\$6,100
	<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

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**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>Priority</b>
<b>Stand-by Power</b>								
Fuel Storage 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>								
Interior Lighting Fluorescent	70%			2031	**	10	\$132,900	
	<i>T-8 Lamps, 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>								
Arresters/Cabling 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	**			

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source Natural Gas	100%			2046	**	1		

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

Maintenance \$ are aggregated over a ten-year period. Site 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	
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	\$89,000	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	\$15,300	
Terminal Devices								
Air Handler	90%			2026	\$981,000	1	\$115,200	
Fan Coil Unit/Heat	10%			2026	\$302,700	1	\$6,700	
Air Conditioning								
Energy Source								
Natural Gas	100%			2046	* *	1		
Conversion Equipment								
Absorption Chiller/Direct Fire	80%	Now	\$872,000	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								
Chilled Wtr Pipe/Pump	100%			2046	* *	4	\$15,300	
Terminal Devices								
Air Handler/Cool/Ht	100%			2026	\$858,700	1	\$128,000	
Heat Rejection								
Water Cool Tower	100%			2024	\$580,300	2	\$208,300	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$182,800	
Exhaust Fans								
Interior	80%			2026	\$178,800	2	\$5,100	
Roof	20%			2026	\$26,700	2	\$1,300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	* *	1		

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

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



**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 Component Type</b>	<b>% of Total</b>	<b>Fail 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	\$47,000	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	\$10,800	4	\$2,500	
Backflow Preventer Generic	100%			2026	\$19,600	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 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	* *	1	\$38,700	
<i>Corroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : ARTERIAL & FLEET SERVICES BOILER HOUSE  
**Address** : 32-11 HARPER STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0092.030 / 2812 **Yr Built/Renovated** : 1937 / 1997  
**Area Sq Ft** : 1,925 **Project Type** : HIGHWAYS  
**Date of Survey** : 14-Sep-2011 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 1790 **Lot** : 1 **BIN** : 4444576

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$704,400	
Electrical	\$43,000	
<b>Total</b>	<b>\$747,300</b>	
Importance Code A	\$704,400	
Importance Code B	\$43,000	
<b>Total</b>	<b>\$747,300</b>	

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$32,500			
Interior Architecture	\$20,000			
Electrical	\$21,800	\$29,200		
Mechanical	\$100	\$100	\$100	\$100
<b>Total</b>	<b>\$74,400</b>	<b>\$29,300</b>	<b>\$100</b>	<b>\$100</b>
Importance Code A	\$37,300	\$100	\$100	\$100
Importance Code B	\$37,100	\$29,200		
<b>Total</b>	<b>\$74,400</b>	<b>\$29,300</b>	<b>\$100</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.

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL & FLEET SERVICES BOILER HOUSE**

**Asset # : 2812**

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	5%	Now	\$10,300	LIFE	**	5	\$3,100	1
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : East Facade</i>								
Masonry: Brick	90%	Now	\$164,700	LIFE	**	5	\$11,200	1
<i>Diagonal Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : South Facade, North Facade</i>								
<i>Horizontal Cracks, Extent : Severe, Area Affected : 50%</i>								
<i>Location : North Facade, South Facade, West Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
Wood Overhead Doors	5%	Now	\$19,200	2043	**	5	\$1,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North Facade, South Facade, West Facade</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North Facade, South Facade, West Facade</i>								
Windows								
Steel	100%	Now	\$231,700	2048	**	5	\$28,400	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 50%</i>								
<i>Location : East Facade, North Facade, South Facade, West Facade</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	95%	Now	\$308,000	LIFE	**	5	\$5,500	1
<i>Diagonal Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	5%	Now	\$3,000	LIFE	**	5	\$1,800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Coping</i>								
<i>Open Joints, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Coping</i>								
Roof								
Not Accessible	100%							
Interior								

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL & FLEET SERVICES BOILER HOUSE**

**Asset # : 2812**

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

## Interior

## Floors

Cast in Place Concrete	100%	Now	\$14,700	LIFE	**	5	\$10,600	
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 50%*

*Location : Boiler Room*

## Interior Walls

Masonry: Brick	100%			LIFE	**			
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## Ceilings

Exposed Concrete	100%			LIFE	**	5-10	\$6,000	
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*Cracking/Crumbling, Extent : Severe, Area Affected : 25%*

*Location : Boiler Room*

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

*Location : Boiler Room*

Electrical		Current 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 Knife Sw	100%	2-4	\$4,700	2053	**	5		
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*On Extended Life, Extent : Moderate, Area Affected : 100%*

*Location : Electrical Room*

## Switchgear / Switchboard

Air Circuit Breaker	10%			2033	**	5		
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Molded Case Bkrs	90%	0-2	\$43,000	2053	**	5		
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*On Extended Life, Extent : Light, Area Affected : 100%*

*Location : Electrical Room*

## Raceway

Conduit	95%	2-4	\$5,000	2053	**	1		
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*On Extended Life, Extent : Moderate, Area Affected : 100%*

*Location : Electrical Room*

Conduit	5%			2033	**	1		
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## Panelboards

Fused Toggle Switch	90%	0-2	\$6,600	2048	**	5		
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*On Extended Life, Extent : Moderate, Area Affected : 100%*

*Location : Electrical Room*

Molded Case Bkrs	10%			2022	\$700	5		
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## Wiring

Braided Cloth	85%	2-4	\$5,500	2048	**	1		
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*Insulation Aged, Extent : Moderate, Area Affected : 100%*

*Location : Electrical Room*

Thermoplastic	10%			2023	\$600	1		
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Thermoplastic	5%			2033	**	1		
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## Ground

## Grounding Devices

Not Accessible	100%							
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## Lighting

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

*Estimates are rounded to the nearest hundred dollars.*

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

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

**DEPARTMENT OF TRANSPORTATION - 841  
ARTERIAL & FLEET SERVICES BOILER HOUSE**

**Asset # : 2812**

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

Lighting

Interior Lighting								
Fluorescent	20%			2018	\$4,800	10	\$400	
HID	10%			2018		10		
Incandescent	70%			2018	\$16,900	2		
Exterior Lighting								
HID	100%			2018	\$7,100	10		

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

Heating

Energy Source								
Natural Gas	100%			2033	**	1		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : Building Is Abandoned Except For Active Electrical Room</i>								
Conversion Equipment								
Furnace	100%			2023	\$2,300	1	\$1,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 1 Driect Fire Unit</i>								

Plumbing

H/C Water Piping								
Brass/Copper	100%			2023	\$5,600	1		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : ARTERIAL & 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-2011 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 1790 **Lot** : 1 **BIN** : 4444576

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$97,200	
<b>Total</b>	<b>\$97,200</b>	
Importance Code A	\$97,200	
<b>Total</b>	<b>\$97,200</b>	

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$4,300	\$5,500		
Interior Architecture			\$100	
Electrical	\$8,500	\$7,000		
Mechanical	\$100	\$4,100	\$100	\$100
<b>Total</b>	<b>\$12,900</b>	<b>\$16,600</b>	<b>\$300</b>	<b>\$100</b>
Importance Code A	\$4,400	\$5,600	\$100	\$100
Importance Code B	\$8,500	\$11,000	\$200	
Importance Code C				
<b>Total</b>	<b>\$12,900</b>	<b>\$16,600</b>	<b>\$300</b>	<b>\$100</b>



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

**DEPARTMENT OF TRANSPORTATION - 841  
ARTERIAL & 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>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	95%	Now	\$60,200	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	\$3,500	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>								
<b>Windows</b>								
Glass Block	100%			LIFE	**	5	\$500	
<b>Parapets</b>								
Masonry: Brick	95%	Now	\$37,000	LIFE	**	5	\$2,200	
<i>Diagonal Cracks, Extent : Moderate, 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>								
<b>Roof</b>								
Modified Bitumen	100%			2028	**	10	\$5,500	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	65%			LIFE	**	5	\$4,200	
Vinyl Tile	35%			2031	**	3	\$400	
<b>Interior Walls</b>								
Concrete Masonry Unit	25%			LIFE	**	5		
Masonry: Brick	75%			LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
Exposed Concrete	100%			LIFE	**	5	\$500	

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

Under 600 Volts

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

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

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

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

**Asset # : 564**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2033	* *	5	\$100	
Raceway								
Conduit	100%			2023	\$3,700	1		
Panelboards								
Fused Toggle Switch	40%	2-4	\$2,900	2048	* *	5		
		<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Gasoline Attendant Room</i>						
Molded Case Bkrs	60%			2039	* *	5		
Wiring								
Braided Cloth	70%	2-4	\$5,600	2048	* *	1		
		<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Thermoplastic	30%			2043	* *	1		
Motor Controllers								
Locally Mounted	100%			2028	* *	5		
<b>Lighting</b>								
Interior Lighting								
Fluorescent	50%			2023	\$4,800	10	\$900	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Using T-12 Lamps</i>						
HID	5%			2023	\$700	10		
Incandescent	45%			2023	\$4,300	2		
Exterior Lighting								
HID	100%			2018	\$6,900	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2033	* *	1		
Conversion Equipment								
Furnace	100%			2023	\$2,200	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%			2031	* *	1		
Conversion Equipment								
Window/Wall Unit	100%			2018	\$3,800	1		
<b>Ventilation</b>								
Exhaust Fans								
Wall Unit	100%			2023	\$2,800	2	\$100	

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

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

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



**DEPARTMENT OF TRANSPORTATION - 841  
ARTERIAL & 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 Component Type</b>	<b>% of Total</b>	<b>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%			2033	* *	1		
Water Heater Electric	100%			2018	\$300	4		
Sanitary Piping Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping Cast Iron	100%			LIFE	* *	1		

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : ARTERIAL & 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-2011 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 1790 **Lot** : 1 **BIN** : 4444576

**CAPITAL**

**Total**

Importance Code

**Total**

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Exterior Architecture	\$200	\$700		
Interior Architecture	\$100			
Electrical				
Mechanical		\$200		
<b>Total</b>	<b>\$300</b>	<b>\$900</b>		
Importance Code A	\$200	\$700		
Importance Code B	\$100	\$200		
<b>Total</b>	<b>\$300</b>	<b>\$900</b>		



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

**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL & 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%			2043	**	5	\$1,400	

Roof								
Roll Roofing	100%			2022	\$1,100	5	\$500	

**Interior**

Floors								
Ceramic Tile	100%			2032	**	5	\$100	

Ceilings								
Fiber Board	100%			2028	**			

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

Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	**	5		

Raceway								
Conduit	100%			2033	**	1		

Panelboards								
Molded Case Bkrs	100%			2031	**	5		

Wiring								
Thermoplastic	100%			2033	**	1		

**Lighting**

Interior Lighting								
Fluorescent	100%			2023	\$400	10	\$100	

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

*Location : Throughout*

*Explanation : Using T-12 Lamps*

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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%			2043	**	1		

Conversion Equipment								
Radiant Heater	100%			2023	\$400	2		

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

*Location : Office*

*Explanation : 1 Unit*

**Air Conditioning**

Energy Source								
Electricity	100%			2039	**	1		

Conversion Equipment								
Window/Wall Unit	100%			2018	\$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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : ARTERIAL & 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-2011 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 1790 **Lot** : 1 **BIN** : 4444576

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$1,194,100	\$58,400
Interior Architecture	\$368,700	
Electrical	\$439,400	\$323,900
Mechanical		\$585,700
<b>Total</b>	<b>\$2,002,200</b>	<b>\$968,100</b>
Importance Code A	\$1,194,100	\$135,400
Importance Code B	\$808,100	\$832,600
<b>Total</b>	<b>\$2,002,200</b>	<b>\$968,100</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$32,300	\$10,700	\$2,100	
Interior Architecture	\$53,100			\$900
Electrical	\$9,800	\$57,400		
Mechanical	\$16,000	\$25,800	\$4,800	\$5,600
<b>Total</b>	<b>\$111,100</b>	<b>\$94,000</b>	<b>\$6,800</b>	<b>\$6,500</b>
Importance Code A	\$35,500	\$13,900	\$5,200	\$3,200
Importance Code B	\$30,900	\$80,000	\$1,600	\$3,400
Importance Code C	\$44,700			
<b>Total</b>	<b>\$111,100</b>	<b>\$94,000</b>	<b>\$6,800</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.

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL & 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	\$516,300	LIFE	**	5	\$58,400	1
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Facade, North 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>Resting Masonry Supt, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Above Overhead Doors</i>								
Metal Coiling Doors	10%			2028	**	5	\$21,500	
Pre-Cast Concrete	5%	Now	\$22,200	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%			2039	**	5	\$4,100	
Glass Block	75%			LIFE	**	5	\$7,700	
Parapets								
Masonry: Brick	95%	Now	\$309,200	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	\$10,100	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>								

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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 & FLEET SERVICES MAIN GARAGE**

**Asset # : 2412**

Architecture	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
<b>Exterior</b>								
<b>Roof</b>								
Asphalt Shingle	65%	Now	\$116,700	2032	**			
<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	\$91,200	2028	**			
<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, Plastic	5%	Now	\$160,600	2036	**	1		
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Garage Area</i>								
<i>Water Penetration, Extent : Light, Area Affected : 25%</i>								
<i>Location : Garage Area</i>								
<b>Interior</b>								
<b>Floors</b>								
Asphalt Macadam	90%	Now	\$251,700	2028	**	5	\$21,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	2%			2032	**	5	\$1,900	
Vinyl Tile	8%	Now	\$62,600	2033	**	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>								
<b>Interior Walls</b>								
Cast in Place Concrete	5%	Now	\$14,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Columns</i>								
Concrete Masonry Unit	30%	Now	\$30,300	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. 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  
ARTERIAL & 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	\$7,400	2028	**	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 : Light, Area Affected : 20%</i>								
<i>Location : Garage Area</i>								
Plaster	15%	Now	\$54,300	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>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2023	\$47,700	5	\$1,700	
<b>Raceway</b>								
Conduit	50%			2033	**	1		
Conduit	50%			2023	\$4,600	1		
<b>Panelboards</b>								
Fused Toggle Switch	5%	2-4	\$1,500	2048	**	5		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Painting Work Shop</i>								
Molded Case Bkrs	55%			2031	**	5	\$900	
Molded Case Bkrs	40%			2022	\$11,700	5	\$700	
<b>Wiring</b>								
Braided Cloth	40%	2-4	\$8,000	2048	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Thermoplastic	60%			2033	**	1		
<b>Motor Controllers</b>								
Locally Mounted	50%			2028	**	5	\$200	
Locally Mounted	50%			2021	\$24,600	5	\$200	

**Lighting**

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

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL & 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>	
<b>Lighting</b>								
Interior Lighting Fluorescent	10%			2018	\$32,900	10	\$5,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Using T-12 Lamps</i>								
HID	50%			2023	\$251,600	10	\$1,000	
HID	40%			2018	\$201,300	10	\$800	
<b>Egress Lighting</b>								
Exit, Service	100%			2018	\$16,600	1		
<b>Exterior Lighting</b>								
HID	100%			2018	\$238,100	10	\$200	
<b>Mechanical</b>								
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source Natural Gas	100%			2033	* *	1		
<b>Conversion Equipment</b>								
Furnace	100%			2023	\$77,000	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>								
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2031	* *	1		
<b>Conversion Equipment</b>								
Window/Wall Unit	10%			2018	\$13,000	1		
No Component	90%							
<b>Ventilation</b>								
Exhaust Fans Wall Unit	100%			2023	\$95,400	2	\$2,000	
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	100%			2023	\$188,300	1		
<b>Water Heater</b>								
Electric	100%			2017	\$9,800	4	\$600	
<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>								
Standpipe Generic	100%			2023	\$225,000	1-5	\$33,800	

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

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

**Asset # : 2412**

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : ARTERIAL & FLEET SERVICES OFFICE & 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-2011 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 1790 **Lot** : 1 **BIN** : 4444576

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$309,300	
Interior Architecture	\$216,400	\$17,800
Electrical	\$42,200	\$222,600
<b>Total</b>	<b>\$567,800</b>	<b>\$240,400</b>
Importance Code A	\$309,300	
Importance Code B	\$185,600	\$240,400
Importance Code C	\$72,900	
<b>Total</b>	<b>\$567,800</b>	<b>\$240,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$15,900	\$38,500	\$1,400	
Interior Architecture	\$9,100	\$5,900	\$13,900	\$300
Electrical	\$9,200	\$10,500		
Mechanical	\$600	\$14,300	\$600	\$600
<b>Total</b>	<b>\$34,800</b>	<b>\$69,300</b>	<b>\$15,900</b>	<b>\$800</b>
Importance Code A	\$16,500	\$39,100	\$2,000	\$600
Importance Code B	\$18,300	\$30,200	\$13,900	\$300
Importance Code C				
<b>Total</b>	<b>\$34,800</b>	<b>\$69,300</b>	<b>\$15,900</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**  
**ARTERIAL & FLEET SERVICES OFFICE & 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	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$190,700	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 : 100%</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	\$12,500	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bases Of Piers Along South Facade</i>								
Metal Sect. OHD	5%			2028	**	5	\$3,400	
Pre-Cast Concrete	5%	Now	\$3,500	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%			2028	**	5	\$5,400	
Windows								
Aluminum	50%			2039	**	5	\$2,800	
Glass Block	50%			LIFE	**	5	\$1,800	
Parapets								
Masonry: Brick	95%	Now	\$41,400	LIFE	**	5	\$2,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%			2043	**	5	\$500	
Roof								
Modified Bitumen	95%			2028	**	10	\$33,900	
Skylight, Metal/Glass	5%	Now	\$77,200	2033	**			
<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>								
Interior								
Floors								
Carpet	5%			2019		3	\$1,600	
Cast in Place Concrete	45%			LIFE	**	5	\$21,200	
Ceramic Tile	5%			2032	**	5	\$1,100	
Vinyl Tile	25%			2018		3	\$2,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 9x9 Tiles</i>								
Vinyl Tile	10%			2023		3	\$1,100	
Wood	10%			2038	**	5	\$4,000	

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL & FLEET SERVICES OFFICE & 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>Interior Walls</b>								
Masonry: Brick	60%	Now	\$72,900	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	30%			2028	**	5	\$6,400	
Exposed Concrete	20%			LIFE	**	5	\$700	
Exposed Struc: Wood	25%	Now	\$98,800	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	\$8,300	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%			2023	\$95,500	5	\$300	
<b>Raceway</b>								
Conduit	50%			2023	\$13,600	1		
Conduit	50%			2033	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	80%			2031	**	5	\$200	
Molded Case Bkrs	20%			2022	\$5,800	5	\$100	
<b>Wiring</b>								
Braided Cloth	20%	2-4	\$9,100	2048	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Thermoplastic	80%			2033	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2021	\$28,800	5	\$100	

**Lighting**

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

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL & FLEET SERVICES OFFICE & 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>	
<b>Lighting</b>								
Interior Lighting Fluorescent	90%			2023	\$127,100	10	\$9,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Using T-12 Lamps</i>								
HID	5%			2018	\$3,200	10		
Incandescent	5%			2018	\$7,100	2		
<b>Exterior Lighting</b>								
HID	100%			2018	\$42,200	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source Natural Gas	100%			2033	* *	1		
<b>Conversion Equipment</b>								
Furnace	100%			2023	\$13,600	1	\$5,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
<i>Explanation : 30 Direct Fired Unit Heaters</i>								
<b>Air Conditioning</b>								
Energy Source Electricity	100%			2031	* *	1		
<b>Conversion Equipment</b>								
Window/Wall Unit	60%			2018	\$13,800	1		
No Component	40%							
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
Brass/Copper	100%			2033	* *	1		
<b>Water Heater</b>								
Electric	100%			2021	\$1,700	4	\$100	
<b>Sanitary Piping</b>								
Cast Iron	100%			LIFE	* *	1		
<b>Storm Drain Piping</b>								
Cast Iron	100%			LIFE	* *	1		
<b>Fixtures</b>								
Generic	100%							

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : ARTERIAL & 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-2011 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 1790 **Lot** : 1 **BIN** : 4444576

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Exterior Architecture	\$56,800	
<b>Total</b>	<b>\$56,800</b>	
Importance Code A	\$56,800	
<b>Total</b>	<b>\$56,800</b>	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Exterior Architecture	\$32,900	\$9,800		
Interior Architecture		\$7,400		
Electrical	\$9,800	\$7,200		
Mechanical	\$100	\$800	\$100	\$100
<b>Total</b>	<b>\$42,900</b>	<b>\$25,200</b>	<b>\$100</b>	<b>\$100</b>
Importance Code A	\$33,000	\$9,900	\$100	\$100
Importance Code B	\$9,800	\$15,300		
<b>Total</b>	<b>\$42,900</b>	<b>\$25,200</b>	<b>\$100</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 & 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	\$56,800	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%			2028	**	5	\$3,500	
Pre-Cast Concrete	5%	Now	\$3,700	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	\$17,300	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%			2043	**	5	\$300	
<b>Roof</b>								
Modified Bitumen	95%			2028	**	10	\$7,900	
Skylight, Metal/Glass	5%	Now	\$11,900	2033	**			
<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	20%			2018	\$7,300	3	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 9x9 Tiles</i>								
<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>	

**Under 600 Volts**

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

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ARTERIAL & FLEET SERVICES STORAGE 1**  
**Asset # : 2407**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	**	5		
Raceway								
Conduit	100%			2023	\$3,700	1		
Panelboards								
Fused Disc Sw	20%			2031	**	5		
Fused Toggle Switch	80%	2-4	\$5,800	2048	**	5		
		<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Receiving Office Room</i>						
Wiring								
Braided Cloth	50%	2-4	\$4,000	2048	**	1		
		<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Thermoplastic	50%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2021	\$7,000	5		
<b>Lighting</b>								
Interior Lighting								
Fluorescent	95%			2023	\$8,500	10	\$1,500	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Using T-12 Lamps</i>						
HID	5%			2018	\$700	10		
Exterior Lighting								
HID	100%			2018	\$6,500	10		
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2033	**	1		
Conversion Equipment								
Furnace	100%			2023	\$2,100	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%			2031	**	1		
Conversion Equipment								
Window/Wall Unit	20%			2018	\$700	1		
No Component	80%							
<b>Ventilation</b>								
Exhaust Fans								
Wall Unit	100%			2023	\$2,600	2	\$100	

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

**Asset # : 2407**

<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>
Plumbing								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 07-Mar-2014 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2,3,4  
**Block** : 6036 **Lot** : 1 **BIN** : 3153196

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$69,300	\$56,100
Interior Architecture	\$343,100	\$119,200
Electrical	\$964,800	\$47,700
<b>Total</b>	<b>\$1,377,200</b>	<b>\$223,100</b>
Importance Code A	\$69,300	\$56,100
Importance Code B	\$1,307,900	\$167,000
<b>Total</b>	<b>\$1,377,200</b>	<b>\$223,100</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$26,900	\$2,600		\$15,000
Interior Architecture	\$30,200		\$1,300	\$500
Electrical	\$700	\$700	\$1,800	\$26,900
Mechanical	\$7,600	\$8,800		\$100
Elevators/Escalators	\$7,900	\$7,900	\$7,900	\$7,900
<b>Total</b>	<b>\$73,200</b>	<b>\$19,900</b>	<b>\$11,000</b>	<b>\$50,400</b>
Importance Code A	\$27,100	\$2,600		\$15,200
Importance Code B	\$46,100	\$17,300	\$10,900	\$35,200
Importance Code C			\$100	
<b>Total</b>	<b>\$73,200</b>	<b>\$19,900</b>	<b>\$11,000</b>	<b>\$50,400</b>



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

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

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**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	
Exterior								
Exterior Walls								
Cast in Place Concrete	35%			LIFE	**	5	\$56,100	
Concrete Masonry Unit	10%	Now	\$25,800	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade</i>								
Masonry: Brick	16%			LIFE	**	5	\$5,100	
Masonry: Granite	2%			LIFE	**	5	\$500	
Metal Panel	15%			2035	**	5-10	\$33,100	
Metal Coiling Doors	2%			2038	**	5	\$2,000	
Pre-Cast Concrete	10%			LIFE	**	5	\$10,400	
Window Wall	10%			2045	**	5	\$12,000	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : West And South Sides</i>								
<i>Explanation : Sections Of The First Floor Are Occupied By A Bank And Stores</i>								
Windows								
Metal Louvers	25%			2034	**	10	\$3,000	
No Component	75%							
Parapets								
Cast in Place Concrete	85%			LIFE	**	5	\$25,300	
Metal Rail	5%			2038	**	5-10	\$2,600	
Metal: Cage/Fence	10%	4+	\$1,100	2030	**	5	\$900	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : East Facade</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : East Facade</i>								
Roof								
Traffic Topping	95%	Now	\$69,300	2030	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Over Level 4</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Level 4</i>								
Not Accessible	5%							

## Interior

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

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

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

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

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	25%	Now	\$61,500	LIFE	**	5	\$66,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Near Basement Entrance</i>								
Ceramic Tile	2%			2034	**	5	\$2,400	
Traffic Topping	70%	Now	\$205,400	2030	**	5	\$53,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Levels One And Two</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Levels One And Two</i>								
Vinyl Tile	3%	0-2	\$30,200	2035	**	3	\$1,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Office</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Office</i>								
<b>Interior Walls</b>								
Cast in Place Concrete	70%			LIFE	**			
Ceramic Tile	2%			2034	**	5	\$200	
Concrete Masonry Unit	20%			LIFE	**	5	\$900	
Masonry: Brick	8%			LIFE	**			
<b>Ceilings</b>								
Exposed Concrete	100%	Now	\$76,100	LIFE	**	5	\$18,900	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Level 4</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%			2025	\$2,500	5	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Switch Rated @ 800 Amperes</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2025	\$47,700	5	\$2,300	
<b>Raceway</b>								
Conduit	100%			2025	\$9,100	1		
<b>Panelboards</b>								
Fused Disc Sw	20%			2024	\$5,800	5	\$400	
Molded Case Bkrs	80%			2024	\$23,400	5	\$1,900	
<b>Wiring</b>								
Thermoplastic	100%			2025	\$19,900	1		
<b>Ground</b>								
<b>Grounding Devices</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**  
**BAYRIDGE GARAGE**  
**Asset # : 14316**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Lighting</b>								
Interior Lighting								
Fluorescent	45%	0-2	\$185,700	2035	**			
	<i>Inadequate Ltg Level, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
Fluorescent	50%			2020	\$206,300	10	\$37,100	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
	<i>Explanation : T-12 Lamps</i>							
Incandescent	5%			2020	\$20,600	2	\$100	
Egress Lighting								
Exit, Service	100%			2025	\$21,300	1		
Exterior Lighting								
Fluorescent	50%			2020	\$139,200	10	\$4,100	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Outside The Building</i>							
	<i>Explanation : Compact Fluorescent Light Fixtures</i>							
HID	50%			2020	\$164,000	10	\$100	
<b>Alarm</b>								
Security System								
No Component	80%							
Generic	20%			2020	\$52,600	1	\$6,600	
	<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : 1st And 2nd Levels</i>							
	<i>Explanation : CCTV Surveillance Camera System Is Functional</i>							
Fire/Smoke Detection								
No Component	80%							
Generic, Analog	20%			2020	\$179,900			
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
	<i>Explanation : Fire Alarm System Is Old And Is Still Functional</i>							
<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Radiant Heater	5%	0-2	\$200	2035	**	2		
	<i>Damaged, Extent : Severe, Area Affected : 3%</i>							
	<i>Location : Rest Room</i>							
No Component	95%							
Air Conditioning								
Energy Source								
Electricity	100%			2033	**	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**  
**BAYRIDGE GARAGE**  
**Asset # : 14316**

Mechanical	Current Repair		Future Replacement		Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	5%			2018	\$8,100	1		
No Component	95%							
Plumbing								
H/C Water Piping								
Brass/Copper	5%			2035	* *	1		
No Component	95%							
Water Heater								
Electric	5%			2018	\$600	4		
No Component	95%							
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2017	\$6,500	4	\$2,500	
Vertical Transport								
Elevators								
Hydraulic	100%			LIFE	* *			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Level 1 - Roof</i>						
		<i>Explanation : 2 Units</i>						
Fire Suppression								
Standpipe								
Generic	100%			2035	* *	1-5	\$400	

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 50,000 **Project Type** : HIGHWAYS  
**Date of Survey** : 20-Feb-2014 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 39 **Lot** : 1 **BIN** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$585,400	\$112,500
Interior Architecture	\$56,200	\$132,100
Electrical		\$502,900
<b>Total</b>	<b>\$641,600</b>	<b>\$747,600</b>
Importance Code A	\$585,400	\$112,500
Importance Code B		\$635,000
Importance Code C	\$56,200	
<b>Total</b>	<b>\$641,600</b>	<b>\$747,600</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$14,700	\$6,100		
Interior Architecture		\$23,900	\$2,400	
Electrical	\$900	\$1,600	\$900	\$1,200
Mechanical	\$6,000	\$15,100	\$24,200	\$15,100
<b>Total</b>	<b>\$21,600</b>	<b>\$46,800</b>	<b>\$27,500</b>	<b>\$16,300</b>
Importance Code A	\$15,800	\$9,300	\$1,100	\$3,200
Importance Code B	\$5,800	\$37,500	\$25,700	\$13,100
Importance Code C			\$700	
<b>Total</b>	<b>\$21,600</b>	<b>\$46,800</b>	<b>\$27,500</b>	<b>\$16,300</b>



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

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**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>Exterior</b>								
<b>Exterior Walls</b>								
Concrete Masonry Unit	95%	2-4	\$150,000	LIFE	**	5	\$46,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	5%			2038	**	5	\$12,300	
<b>Windows</b>								
Steel	100%	2-4	\$161,400	2041	**	5	\$65,900	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<b>Parapets</b>								
Cast Stone/Terra Cotta	10%	2-4	\$5,200	LIFE	**	5	\$3,200	2
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	90%	2-4	\$9,500	LIFE	**	5	\$4,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<b>Roof</b>								
Plaza Roof: Stone Panels	100%	Now	\$273,900	2035	**			
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	90%			LIFE	**	5	\$132,100	
Ceramic Tile	5%			2034	**	5	\$3,400	
Vinyl Tile	5%			2030	**	3	\$1,300	
<b>Interior Walls</b>								
Ceramic Tile	5%			2034	**	5	\$1,400	
Concrete Masonry Unit	95%	0-2	\$56,200	LIFE	**	5	\$10,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	70%			2038	**	5	\$47,000	
Exposed Struc: Steel	30%			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>Service Equipment</b>								
Not Accessible	100%							
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%			2035	**	5	\$200	
<b>Raceway</b>								
Conduit	100%			2035	**	1		

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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>	
Under 600 Volts								
Panelboards								
Fused Disc Sw	10%			2033	**	5	\$100	
Molded Case Bkrs	90%			2033	**	5	\$1,200	
Wiring								
Thermoplastic	100%			2035	**	1		
Motor Controllers								
Locally Mounted	80%			2030	**	5	\$300	
Locally Mounted	20%			2038	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$700	
Lighting								
Interior Lighting								
Fluorescent	60%			2025	\$137,100	10	\$24,700	
		<i>T-12 Lamps, Extent : Moderate, Area Affected : 60%</i>						
		<i>Location : Throughout The Building</i>						
HID	35%			2025	\$122,300	10	\$500	
Incandescent	5%			2025	\$11,400	2	\$100	
Egress Lighting								
Emergency, Battery	100%			2025	\$59,100	10	\$10,800	
Exterior Lighting								
HID	100%			2025	\$184,400	10	\$200	
Alarm								
Security System								
No Component	50%							
Generic	50%			2033	**	1	\$9,300	
Fire/Smoke Detection								
Generic, Digital	100%			2033	**			

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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%			2045	**	1		
Conversion Equipment								
Furnace	50%			2030	**	1	\$11,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 2 Units</i>						
Radiant Heater	50%			2030	**	2	\$10,400	
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$25,000	
Terminal Devices								
Air Handler	50%			2030	**	1	\$13,900	
Fan Coil Unit/Heat	50%			2030	**	1	\$7,200	

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

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Air Conditioning							
Energy Source							
Electricity	100%			2041	**	1	
Conversion Equipment							
Ext Pkg Unit - Heating/Cooling	100%			2030	**	2	\$2,700
			<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>				
Distribution							
Ductwork/Diffusers	100%			LIFE	**	2	\$58,300
Terminal Devices							
Air Handler/Cool/Ht	100%			2030	**	1	\$27,700
Heat Rejection							
Air Condenser Unit	100%			2030	**	2	\$31,200
Ventilation							
Exhaust Fans							
Wall Unit	100%			2030	**	2	\$1,400
Plumbing							
H/C Water Piping							
Brass/Copper	100%			2045	**	1	
Water Heater							
Electric	100%			2023	\$6,800	4	\$300
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.

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 17,760 **Project Type** : HIGHWAYS  
**Date of Survey** : 09-May-2014 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,3  
**Block** : 4074 **Lot** : 1 **BIN** : 2044091

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$316,700	\$144,400
Interior Architecture	\$345,000	\$408,600
Electrical	\$179,600	\$95,500
Mechanical		\$251,000
<b>Total</b>	<b>\$841,300</b>	<b>\$899,400</b>
Importance Code A	\$316,700	\$144,400
Importance Code B	\$394,100	\$755,000
Importance Code C	\$130,600	
<b>Total</b>	<b>\$841,300</b>	<b>\$899,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Interior Architecture	\$185,600			\$18,800
Electrical	\$14,000	\$400	\$500	\$600
Mechanical	\$3,400	\$1,700	\$2,500	\$36,100
<b>Total</b>	<b>\$203,000</b>	<b>\$2,100</b>	<b>\$3,100</b>	<b>\$55,500</b>
Importance Code A	\$900	\$900	\$900	\$900
Importance Code B	\$202,200	\$1,200	\$2,200	\$54,500
Importance Code C				
<b>Total</b>	<b>\$203,000</b>	<b>\$2,100</b>	<b>\$3,100</b>	<b>\$55,500</b>



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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>								
Exterior Walls Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Building Covered With Netting</i>							
<hr/>								
Windows Wood	100%	Now	\$316,700	2033	* *	5	\$144,400	
	<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>							
<hr/>								
Parapets Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Building Covered With Netting</i>							
<hr/>								
Roof Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Work In Progress</i>							
<hr/>								
<b>Interior</b>								
<b>Floors</b>								
Carpet	30%	Now	\$132,100	2024	\$330,300	3	\$39,700	
	<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 75%</i>							
	<i>Location : Throughout</i>							
Cast in Place Concrete	5%			LIFE	* *	5	\$9,700	
Ceramic Tile	5%	Now	\$33,400	2034	* *	5	\$2,200	
	<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>							
	<i>Location : Throughout</i>							
Marble Panels	5%	2-4	\$62,500	LIFE	* *	5	\$3,300	
	<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Throughout</i>							
Terrazzo	5%	2-4	\$20,000	LIFE	* *	5	\$3,400	
	<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Throughout</i>							
Vinyl Tile	50%	0-2	\$110,000	2025	\$366,600	3	\$16,600	
	<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>							
	<i>Location : Throughout</i>							

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

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

<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%	0-2	\$35,100	2034	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Gypsum Board	85%	Now	\$44,800	LIFE	**	5	\$33,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	5%			LIFE	**			
Marble Panels	5%	2-4	\$50,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	95%			2038	**	5	\$83,900	
Exposed Concrete	5%			LIFE	**	5	\$700	
<b>Electrical</b>								
<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2025	\$4,700	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1- 600 Amps Main Disconnect Switch</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2025	\$95,500	5	\$500	
<b>Raceway</b>								
Conduit	90%			2025	\$24,400	1		
Conduit	10%			2045	**	1		
<b>Panelboards</b>								
Fused Disc Sw	5%			2024	\$1,500	5		
Molded Case Bkrs	70%			2024	\$20,400	5	\$300	
Molded Case Bkrs	25%			2041	**	5	\$100	
<b>Wiring</b>								
Braided Cloth	30%	2-4	\$13,700	2050	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	40%			2025	\$18,300	1		
Thermoplastic	30%			2045	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2023	\$28,800	5	\$100	
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$300	

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

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

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

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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	50%							
Generic	50%			2030	**	1	\$3,300	
Fire/Smoke Detection								
Generic, Analog	100%			2020	\$179,600			

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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%			2045	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2030	**	1	\$8,800	
		<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%			2024	\$87,100	4	\$900	
Terminal Devices								
Convactor/Radiator	100%			2023	\$163,800	1	\$5,700	

## Air Conditioning

Energy Source								
Electricity	100%			2033	**	1		
Conversion Equipment								
Reciprocating Compr/Chiller	15%			2020	\$8,800	1	\$1,200	
		<i>On Extended Life, Extent : Light, Area Affected : 15%</i>						
		<i>Location : 1st Floor A C Room</i>						
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 15%</i>						
		<i>Location : Top Of Staircase, Roof</i>						
Ext Pkg Unit - Cooling	20%			2020	\$16,000	2	\$200	
		<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>						
No Component	65%							
Terminal Devices								
Direct Expansion	15%			2020	\$2,800	1		
		<i>On Extended Life, Extent : Severe, Area Affected : 15%</i>						
		<i>Location : 1st Floor A C Room</i>						
No Component	85%							

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**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 Component Type</b>	<b>% of Total</b>	<b>Fail 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 Condenser Unit	15%	0-2	\$1,800	2035	* *	2	\$1,500	
<i>Other Observation, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Roof, Top Of Staircase</i>								
<i>Explanation : Obsolete Unit</i>								
<hr/>								
No Component	85%							
<hr/>								
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	40%			LIFE	* *	2-5	\$4,000	
No Component	60%							
<hr/>								
<b>Exhaust Fans</b>								
Interior	15%			2020	\$2,900	2	\$100	
Roof	25%			2020	\$3,400	2	\$100	
No Component	60%							
<hr/>								
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
Brass/Copper	100%			2035	* *	1		
<hr/>								
<b>Water Heater</b>								
Gas Fired	100%			2023	\$4,000	2	\$300	
<hr/>								
<b>Sanitary Piping</b>								
Cast Iron	100%			LIFE	* *	1		
<hr/>								
<b>Storm Drain Piping</b>								
Cast Iron	100%			LIFE	* *	1		
<hr/>								
<b>Fixtures</b>								
Generic	100%							
<hr/>								

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 06-Mar-2014      **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 215      **Lot** : 100      **BIN** : 5104536

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$150,400	
Interior Architecture	\$84,200	\$90,600
Electrical		\$119,900
Mechanical		\$554,500
<b>Total</b>	<b>\$234,600</b>	<b>\$765,000</b>
Importance Code A	\$150,400	
Importance Code B	\$84,200	\$765,000
<b>Total</b>	<b>\$234,600</b>	<b>\$765,000</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture		\$8,000		\$41,700
Interior Architecture	\$1,000	\$500	\$100	
Electrical		\$400		\$400
Mechanical	\$3,200	\$2,100	\$3,300	\$8,000
<b>Total</b>	<b>\$4,200</b>	<b>\$11,100</b>	<b>\$3,400</b>	<b>\$50,100</b>
Importance Code A	\$1,400	\$9,400	\$1,400	\$43,200
Importance Code B	\$2,800	\$1,700	\$1,900	\$6,900
Importance Code C			\$100	
<b>Total</b>	<b>\$4,200</b>	<b>\$11,100</b>	<b>\$3,400</b>	<b>\$50,100</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**  
**CASTLETON DEPOT**  
**Asset # : 14718**

<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>								
Fiberglass Panel	35%			2040	**	5	\$67,000	
Masonry: Brick	50%	0-2	\$150,400	LIFE	**	5	\$25,500	
<i>Diagonal Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%			2055	**	5-10	\$17,500	
Metal Sect. OHD	10%			2038	**	5	\$16,000	
<b>Windows</b>								
Aluminum	100%			2050	**	5	\$6,900	
<b>Parapets</b>								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$2,100	
Masonry: Brick	90%			LIFE	**	5	\$2,400	
<b>Roof</b>								
Single Ply Membrane	80%			2035	**	10	\$33,200	
Skylight, Metal/Glass	20%			2055	**	10	\$27,700	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	95%	0-2	\$84,200	LIFE	**	5	\$90,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Quarry Tile	1%			2038	**	5	\$700	
Vinyl Tile	4%			2030	**	3	\$700	
<b>Interior Walls</b>								
Ceramic Tile	1%			2034	**	5	\$200	
Concrete Masonry Unit	96%			LIFE	**	5	\$6,800	
Metal Panel	1%			LIFE	**			
Plaster	1%			LIFE	**	5	\$100	
SGFT/Glazed Masonry	1%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	3%	0-2	\$1,000	2038	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Embossed Metal	1%			LIFE	**	5	\$200	
Exposed Concrete	1%			LIFE	**	5	\$100	
Exposed Struc: Steel	95%			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>Service Equipment</b>								
Fused Disc Sw	100%			2035	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 800 Amps Main Disconnect Switch</i>								

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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**  
**CASTLETON DEPOT**  
**Asset # : 14718**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Switchgear / Switchboard								
Fused Disc Sw	50%			2035	**	5	\$100	
Molded Case Bkrs	50%			2035	**	5	\$400	
Raceway								
Conduit	100%			2035	**	1		
Panelboards								
Fused Disc Sw	5%			2033	**	5		
Molded Case Bkrs	95%			2033	**	5	\$800	
Wiring								
Thermoplastic	100%			2035	**	1		
Motor Controllers								
Locally Mounted	100%			2030	**	5	\$200	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$500	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	100%			2035	**	10	\$26,700	
<i>T-8 Lamps, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Emergency, Battery	50%			2025	\$19,200	10	\$3,500	
Exit, Service	50%			2025	\$3,800	1		
Exterior Lighting								
HID	100%			2025	\$119,900	10	\$100	

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2035	**	1		
Conversion Equipment								
Furnace	75%			2030	**	1	\$10,800	
Hot Water Boiler	25%			2030	**	1	\$3,600	
<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%			2033	**	4	\$500	
No Component	75%							
Terminal Devices								
Fan Coil Unit/Heat	15%			2025	\$63,900	1	\$1,400	
Unit Heater-Stm/HW	10%			2025	\$18,400	4	\$400	
No Component	75%							

**Air Conditioning**

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

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

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

Mechanical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Energy Source								
Electricity	100%			2033	* *	1		
Conversion Equipment								
Int Pkg Unit - Cooling	20%			2023	\$73,300	2	\$400	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 20%</i>						
		<i>Location : Room 202</i>						
Window/Wall Unit	10%			2020	\$5,900	1		
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	\$3,200	
No Component	80%							
Exhaust Fans								
Interior	20%			2025	\$6,300	2	\$200	
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2025	\$85,000	1		
Water Heater								
Gas Fired	100%			2023	\$6,600	2	\$400	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2025	\$332,300	1-2	\$8,200	

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : COURT SQUARE-GARAGE  
**Address** : COURT SQUARE & 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** : 01-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,3,4  
**Block** : 83 **Lot** : 18 **BIN** : 4000699

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$1,791,700	\$2,010,600
Interior Architecture	\$1,447,000	\$780,600
Electrical		\$2,928,000
Mechanical		\$1,278,600
<b>Total</b>	<b>\$3,238,700</b>	<b>\$6,997,800</b>
Importance Code A	\$1,791,700	\$2,010,600
Importance Code B	\$924,700	\$4,945,000
Importance Code C	\$522,300	\$42,200
<b>Total</b>	<b>\$3,238,700</b>	<b>\$6,997,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$800			\$25,600
Interior Architecture	\$11,800		\$1,600	\$800
Electrical	\$1,800	\$5,000	\$1,800	\$3,700
Mechanical	\$6,500	\$5,700	\$10,900	\$53,700
Elevators/Escalators	\$7,900	\$7,900	\$7,900	\$7,900
<b>Total</b>	<b>\$28,800</b>	<b>\$18,600</b>	<b>\$22,200</b>	<b>\$91,700</b>
Importance Code A	\$1,400		\$600	\$26,200
Importance Code B	\$26,400	\$18,600	\$21,600	\$65,600
Importance Code C	\$1,100			
<b>Total</b>	<b>\$28,800</b>	<b>\$18,600</b>	<b>\$22,200</b>	<b>\$91,700</b>



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**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	
Exterior								
Exterior Walls								
Cast in Place Concrete	80%	Now	\$1,004,400	LIFE	**	5	\$1,823,500	
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Southwest Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Wall Adjacent To Ramp On Northeast Side</i>								
Masonry: Brick	15%	Now	\$403,000	LIFE	**	5	\$68,400	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Northeast Facade</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Corners</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Northeast Facade</i>								
Masonry: Limestone	2%	Now	\$194,600	LIFE	**	5	\$6,800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping Over Free Standing Walls</i>								
Window Wall	3%			2045	**	5	\$51,300	
Parapets								
Cast in Place Concrete	95%	Now	\$71,400	LIFE	**	5	\$118,700	
<i>Diagonal Cracks, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Expansion Jnt Failure, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Rail	5%	Now	\$800	2038	**	5	\$4,300	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rail Supports</i>								
Roof								
Cast in Place Concrete	95%	Now	\$118,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Structural Connection Points</i>								
<i>Expansion Jnt Failure, Extent : Severe, Area Affected : 10%</i>								
<i>Location : All Stair Locations, Building Corners</i>								
Copper/Terne	5%			2053	**	10	\$23,200	
Interior								
Floors								
Cast in Place Concrete	97%	Now	\$319,800	LIFE	**	5	\$688,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	1%			2034	**	5	\$3,200	
Vinyl Tile	2%	2-4	\$10,800	2020	\$53,900	3	\$2,400	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Office</i>								

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

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

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

**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>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	18%	Now	\$293,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Structural Columns - Level 4</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Northeast Wall - Dept Of Transportation Storage Area</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Near Stairwells</i>								
<i>Explanation : Separation From Deck</i>								
Concrete Masonry Unit	80%	Now	\$228,900	LIFE	**	5	\$42,200	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Near Southern Stairwells</i>								
Gypsum Board	2%	Now	\$1,100	LIFE	**	5	\$1,600	
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout Office</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	2%	Now	\$51,300	2045	**	5	\$3,200	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Office</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Office</i>								
Exposed Concrete	98%	Now	\$499,700	LIFE	**	5	\$49,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Structural Beams</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Structural Connections At Northwest And Northeast Corners</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Building Corners Near Stairwells - All Levels</i>								
<i>Explanation : Separation Of Structural Elements</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%			2035	**	5	\$1,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 1200 Amps Main Disconnect Switch</i>								
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%			2035	**	5	\$1,000	
<b>Raceway</b>								
Conduit	100%			2035	**	1		
<b>Panelboards</b>								
Fused Disc Sw	5%			2033	**	5	\$300	
Molded Case Bkrs	95%			2033	**	5	\$6,000	

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

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

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

**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>	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2035	* *	1		
Motor Controllers								
Locally Mounted	100%			2030	* *	5	\$1,600	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	\$3,600	
Lighting								
Interior Lighting								
Fluorescent	2%			2025	\$22,100	10	\$4,000	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Office</i>						
		<i>Explanation : T-12 Lamps</i>						
HID	98%			2025	\$1,656,500	10	\$6,900	
Egress Lighting								
Emergency, Battery	70%			2025	\$199,900	10	\$36,600	
Exit, Service	30%			2025	\$17,100	1		
Exterior Lighting								
HID	100%			2025	\$892,000	10	\$700	
Alarm								
Security System								
No Component	80%							
Generic	20%			2025	\$142,900	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>	
Heating								
Energy Source								
Electricity	100%			2035	* *	1		
Conversion Equipment								
Radiant Heater	3%			2025	\$28,000	2	\$3,000	
		<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%							
Terminal Devices								
Fan Coil Unit/Heat	3%			2025	\$2,900	1	\$2,100	
No Component	97%							
Air Conditioning								
Energy Source								
Electricity	100%			2033	* *	1		

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Estimates are rounded to the nearest hundred dollars.

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

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

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

Mechanical	Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning							
Conversion Equipment							
Window/Wall Unit	2%			2020	\$8,700	1	
	<i>Other Observation, Extent : Light, Area Affected : 2%</i>						
	<i>Location : 1st Level</i>						
	<i>Explanation : Management Office Only</i>						
No Component	98%						
Ventilation							
Distribution							
Ductwork/Diffusers	2%			LIFE	**	2-5	\$2,400
No Component	98%						
Exhaust Fans							
Interior	2%			2025	\$4,700	2	\$100
No Component	98%						
Plumbing							
H/C Water Piping							
Brass/Copper	3%			2035	**	1	
No Component	97%						
Water Heater							
Electric	2%			2018	\$700	4	
No Component	98%						
Sanitary Piping							
Cast Iron	100%			LIFE	**	1	
Storm Drain Piping							
Cast Iron	100%			LIFE	**	1	
Sump Pump(s)							
Rigid Piping	100%			2020	\$10,800	4	\$1,600
Fixtures							
Generic	100%						
Vertical Transport							
Elevators							
Hydraulic	100%			LIFE	**		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
	<i>Location : 1-4</i>						
	<i>Explanation : Two Units</i>						
Fire Suppression							
Standpipe							
Generic	100%			2025	\$755,700	1-5	\$109,300
Sprinkler							
No Component	80%						
Generic	20%			2025	\$494,500	1-2	\$12,200

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 18-Oct-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2,3,4,5,6  
**Block** : 410 **Lot** : 38 **BIN** : 1005326

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$144,700	\$479,200
Interior Architecture	\$352,400	\$379,500
Electrical	\$1,464,800	\$115,400
<b>Total</b>	<b>\$1,961,900</b>	<b>\$974,100</b>
Importance Code A	\$144,700	\$479,200
Importance Code B	\$1,817,200	\$494,900
<b>Total</b>	<b>\$1,961,900</b>	<b>\$974,100</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$2,300			\$2,900
Interior Architecture	\$400	\$1,800		\$29,800
Electrical	\$500	\$500	\$2,200	\$23,000
Mechanical	\$16,700		\$500	\$11,600
Elevators/Escalators	\$11,800	\$11,800	\$11,800	\$11,800
<b>Total</b>	<b>\$31,800</b>	<b>\$14,100</b>	<b>\$14,500</b>	<b>\$79,300</b>
Importance Code A	\$2,300			\$4,700
Importance Code B	\$29,500	\$14,100	\$14,500	\$74,600
Importance Code C				
<b>Total</b>	<b>\$31,800</b>	<b>\$14,100</b>	<b>\$14,500</b>	<b>\$79,300</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.

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**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	Priority
<b>Exterior</b>								
Exterior Walls								
Cast in Place Concrete	10%			LIFE	**	5	\$25,100	
Masonry: Brick	15%			LIFE	**	5	\$7,500	
<i>Repairs in Progress, Extent : Light, Area Affected : 25%</i>								
<i>Location : East And West Facades</i>								
<i>Sidewalk Shed in Use, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : East And West Facades</i>								
Metal Panel	3%			2045	**	5-10	\$10,400	
Pre-Cast Concrete	72%			LIFE	**	5	\$117,500	
<b>Windows</b>								
Aluminum	100%			2041	**	5	\$3,000	
<b>Parapets</b>								
Cast in Place Concrete	20%			LIFE	**	5	\$6,200	
Masonry: Brick	5%			LIFE	**	5	\$200	
Metal Panel	2%			2045	**	5	\$200	
Metal: Cage/Fence	10%	2-4	\$2,300	2030	**	5	\$1,000	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : South Facade</i>								
Pre-Cast Concrete	63%			LIFE	**	5	\$11,900	
<b>Roof</b>								
Traffic Topping	95%	Now	\$144,700	2025	\$361,800			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Over Sixth Level</i>								
<i>Expansion Jnt Failure, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Over Sixth Level</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Sixth Level</i>								
Not Accessible	5%							
<b>Interior</b>								
Floors								
Cast in Place Concrete	98%	0-2	\$352,400	LIFE	**	5	\$379,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	2%			2020	\$29,400	3	\$1,800	
<b>Interior Walls</b>								
Cast in Place Concrete	92%			LIFE	**			
Concrete Masonry Unit	5%			LIFE	**	5	\$300	
Masonry: Brick	3%			LIFE	**			
<b>Ceilings</b>								
AcousTile,Adhered	2%			2023	\$32,100	5	\$3,500	
Exposed Concrete	98%			LIFE	**	5	\$27,100	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Level 5</i>								

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

<b>Electrical</b>	<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>	
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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								
Molded Case Bkrs	100%			2025	\$4,700	5	\$3,400	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Electrical Room</i>							
	<i>Explanation : No Nameplate Ratings Available</i>							
Switchgear / Switchboard								
Molded Case Bkrs	100%			2025	\$71,600	5	\$3,400	
Raceway								
Conduit	100%			2025	\$14,600	1		
Panelboards								
Molded Case Bkrs	100%			2024	\$43,800	5	\$3,400	
Wiring								
Thermoplastic	100%			2025	\$31,900	1		
Motor Controllers								
Locally Mounted	100%			2030	* *	5	\$900	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	* *	5	\$1,900	
<b>Lighting</b>								
Interior Lighting								
Fluorescent	75%			2020	\$452,300	10	\$81,400	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
	<i>Explanation : T-12 Lamps</i>							
Fluorescent	25%	0-2	\$150,800	2035	* *			
	<i>Inadequate Ltg Level, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
Egress Lighting								
Emergency, Battery	50%			2020	\$77,900	10	\$14,300	
Exit, Battery	50%			2020	\$53,200	10	\$4,000	
Exterior Lighting								
HID	100%			2020	\$479,500	10	\$400	
<b>Alarm</b>								
Security System								
No Component	90%							
Generic	10%			2020	\$38,400	1	\$4,900	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Front And Back Of The Building</i>							
	<i>Explanation : CCTV Surveillance Cameras Are Functional</i>							
Fire/Smoke Detection								
No Component	90%							
Generic, Analog	10%	Now	\$131,500	2035	* *			
	<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							

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

Mechanical	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>Heating</b>								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Radiant Heater	3%			2025	\$200	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%			2033	**	1		
Conversion Equipment								
Window/Wall Unit	3%			2023	\$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								
Ductwork/Diffusers	5%			LIFE	**	2-5	\$3,300	
			<i>Other Observation, Extent : Light, Area Affected : 5%</i>					
			<i>Location : 2nd Level Fan Room</i>					
			<i>Explanation : The Ductwork In 2nd Level Fan Room Has Not Been Used For Many Years</i>					
No Component	95%							
Exhaust Fans								
Interior	5%	Now	\$6,200	2035	**	2	\$100	
			<i>Obsolete Equipment, Extent : Severe, Area Affected : 5%</i>					
			<i>Location : 2nd Level Fan Room</i>					
No Component	95%							
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	5%			2025	\$17,200	1		
No Component	95%							
Sanitary Piping								
Cast Iron	5%			LIFE	**	1		
No Component	95%							
Storm Drain Piping								
Cast Iron	100%	Now	\$3,200	LIFE	**	1		
			<i>Cracked, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : 3rd Level</i>					
Sump Pump(s)								
Submersible	100%			2017	\$6,500	4	\$2,500	
Sewage Ejector(s)								
Electric	100%			2020	\$10,800	4	\$1,600	
Fixtures								
Generic	100%							
<b>Vertical Transport</b>								

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

<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>

Vertical Transport

Elevators

Geared Traction

100%

LIFE

\* \*

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

*Location : Parking Levels 1-6*

*Explanation : 2 Units - 1 Of Them Is Out Of Service*

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : DOT EMERGENCY RESPONSE UNIT  
**Address** : 5-40 44TH DRIVE @ VERNON BLVD & 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** : 29-Oct-2013 Landmark Status : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1  
**Block** : 24 Lot : 7 BIN :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$893,300	
Interior Architecture	\$447,200	\$46,500
Electrical	\$138,500	
<b>Total</b>	<b>\$1,479,100</b>	<b>\$46,500</b>
Importance Code A	\$893,300	
Importance Code B	\$447,200	\$46,500
Importance Code C	\$143,600	
<b>Total</b>	<b>\$1,479,100</b>	<b>\$46,500</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$27,300			
Electrical	\$400	\$400	\$500	\$20,900
Mechanical	\$200	\$200	\$7,800	\$1,600
<b>Total</b>	<b>\$27,900</b>	<b>\$500</b>	<b>\$8,300</b>	<b>\$22,600</b>
Importance Code A	\$27,400	\$100	\$100	\$400
Importance Code B	\$400	\$400	\$8,100	\$22,100
<b>Total</b>	<b>\$27,900</b>	<b>\$500</b>	<b>\$8,300</b>	<b>\$22,600</b>



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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>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	60%	Now	\$280,200	LIFE	**	5	\$23,800	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 75%</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	\$351,300	2030	**	5	\$24,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<b>Windows</b>								
Steel	100%	Now	\$150,300	2050	**	5	\$18,400	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Parapets</b>								
Cast Stone/Terra Cotta	10%	Now	\$27,300	LIFE	**	5	\$4,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	90%	4+	\$111,600	LIFE	**	5	\$4,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<b>Roof</b>								
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>								
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	100%	Now	\$43,200	LIFE	**	5	\$46,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<b>Interior Walls</b>								
Masonry: Brick	100%	Now	\$143,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
Exposed Struc: Wood	100%	2-4	\$260,500	LIFE	**			
<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>	

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

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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2055	**	5	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 200 Amps Main Disconnect Switch</i>								
<hr/>								
Raceway								
Conduit	40%			2055	**	1		
Conduit	60%			2025	\$2,200	1		
<hr/>								
Panelboards								
Fused Disc Sw	5%			2050	**	5		
Molded Case Bkrs	50%			2050	**	5	\$300	
Molded Case Bkrs	45%			2024	\$3,300	5	\$200	
<hr/>								
Wiring								
Thermoplastic	60%			2055	**	1		
Thermoplastic	40%			2025	\$3,200	1		
<hr/>								
Motor Controllers								
Locally Mounted	100%			2045	**	5	\$100	
<hr/>								
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
<hr/>								
<b>Lighting</b>								
Interior Lighting								
Fluorescent	20%			2030	**	10	\$3,700	
<i>T-12 Lamps, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Office</i>								
Fluorescent	78%			2020	\$79,500	10	\$14,300	
<i>T-12 Lamps, Extent : Moderate, Area Affected : 78%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	2%			2020	\$2,000	2		
<hr/>								
Egress Lighting								
Exit, Service	100%			2035	**	1		
<hr/>								
Exterior Lighting								
HID	20%			2035	**	10		
HID	80%			2020	\$59,000	10		
<hr/>								
<b>Alarm</b>								
Security System								
No Component	50%							
Generic	50%			2035	**	1	\$3,700	

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2051	**	1		

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

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

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



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

Mechanical	Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Heating							
Conversion Equipment							
Furnace	15%			2033	**	1	\$1,500
No Component	85%						
Air Conditioning							
Energy Source							
Electricity	100%			2041	**	1	
Conversion Equipment							
Int Pkg Unit - Heating/Cooling	15%			2029	**	2	\$200
		<i>Other Observation, Extent : Light, Area Affected : 15%</i>					
		<i>Location : Office</i>					
		<i>Explanation : 410a Refrigerant</i>					
No Component	85%						
Ventilation							
Distribution							
Ductwork/Diffusers	15%			LIFE	**	2-5	\$1,700
No Component	85%						
Exhaust Fans							
Interior	15%			2033	**	2	\$100
Wall Unit	5%			2020	\$1,500	2	
No Component	80%						
Plumbing							
H/C Water Piping							
Brass/Copper	15%			2051	**	1	
No Component	85%						
Water Heater							
Gas Fired	15%			2024	\$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%			2019	\$6,500	4	\$1,600
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Exterior Architecture	\$102,100	\$54,700
Interior Architecture		\$351,700
Electrical	\$93,500	\$56,700
<b>Total</b>	<b>\$195,600</b>	<b>\$463,000</b>
Importance Code A	\$102,100	\$54,700
Importance Code B	\$93,500	\$408,400
<b>Total</b>	<b>\$195,600</b>	<b>\$463,000</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Exterior Architecture	\$7,700	\$9,500		\$3,900
Interior Architecture			\$2,900	\$1,500
Electrical	\$800	\$800	\$800	\$4,100
Mechanical	\$400	\$1,100	\$300	\$17,000
Elevators/Escalators	\$4,900	\$4,900	\$4,900	\$4,900
<b>Total</b>	<b>\$13,800</b>	<b>\$16,500</b>	<b>\$9,000</b>	<b>\$31,500</b>
Importance Code A	\$7,700	\$9,500		\$5,400
Importance Code B	\$6,100	\$6,900	\$9,000	\$26,100
Importance Code C				
<b>Total</b>	<b>\$13,800</b>	<b>\$16,500</b>	<b>\$9,000</b>	<b>\$31,500</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**  
**E. 149 STREET GARAGE**  
**Asset # : 14319**

<b>Architecture</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Cast in Place Concrete	5%			LIFE	**	5	\$10,500	
Concrete Masonry Unit	35%			LIFE	**	5	\$9,200	
Masonry: Brick Cavity	5%	Now	\$7,700	LIFE	**	5	\$2,100	
<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	\$6,600	
Metal: Cage/Fence	5%			2038	**	5	\$9,200	
Pre-Cast Concrete	40%			LIFE	**	5	\$54,700	
<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	\$7,900	
<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>								
<b>Parapets</b>								
Concrete Masonry Unit	40%			LIFE	**	5	\$1,400	
Metal Rail	5%			2038	**	5-10	\$2,700	
Pre-Cast Concrete	55%			LIFE	**	5	\$10,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : North And South Parapets</i>								
<i>Explanation : Metal Infills</i>								
<b>Roof</b>								
Traffic Topping	95%			2030	**	10	\$102,100	
Not Accessible	5%							
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	94%			LIFE	**	5	\$313,700	
Ceramic Tile	3%			2034	**	5	\$4,600	
Vinyl Tile	3%			2025	\$38,000	3	\$1,700	
<b>Interior Walls</b>								
Cast in Place Concrete	8%			LIFE	**			
Concrete Masonry Unit	83%			LIFE	**	5	\$4,900	
Glass: Single Pane	2%			LIFE	**	5	\$200	
Masonry: Brick	7%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	2%			2030	**	5	\$3,100	
Exposed Concrete	98%			LIFE	**	5	\$23,400	

<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>	

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 @ 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	\$93,500	
		<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			\$56,700	
		<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>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source								
Electricity	100%			2035	**	1		

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

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

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

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

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
<b>Heating</b>							
Conversion Equipment Radiant Heater	2%			2025	\$100	2	
	<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	\$4,100	1	
	<i>Other Observation, Extent : Light, Area Affected : 2%</i>						
	<i>Location : Office Only</i>						
	<i>Explanation : 1 Unit</i>						
No Component	98%						
<b>Distribution</b>							
No Component	0%						
<b>Ventilation</b>							
Exhaust Fans Wall Unit	5%			2020	\$7,500	2	\$200
No Component	95%						
<b>Plumbing</b>							
H/C Water Piping Brass/Copper	5%			2035	**	1	
No Component	95%						
Water Heater Electric	5%			2018	\$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 No Component	50%						
Generic	50%			2020	\$4,800	1	\$3,100
Fixtures Generic	100%						
<b>Vertical Transport</b>							
Elevators Geared Traction	100%			LIFE	**		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
	<i>Location : 1-4 &amp; Roof</i>						
	<i>Explanation : 1 Unit</i>						
<b>Fire Suppression</b>							
Standpipe Generic	100%			2035	**	1-5	\$500

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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>System</b>	<b>Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2025	\$200	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.*

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$189,500	
Interior Architecture	\$50,300	\$55,000
Electrical		\$182,600
Mechanical		\$626,600
<b>Total</b>	<b>\$239,700</b>	<b>\$864,300</b>
Importance Code A	\$189,500	
Importance Code B	\$50,300	\$864,300
<b>Total</b>	<b>\$239,700</b>	<b>\$864,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$52,700			
Interior Architecture	\$55,000		\$700	\$200
Electrical	\$39,500		\$100	\$300
Mechanical	\$19,700	\$3,800	\$4,200	\$3,300
<b>Total</b>	<b>\$166,900</b>	<b>\$3,800</b>	<b>\$5,000</b>	<b>\$3,800</b>
Importance Code A	\$54,600	\$1,800	\$1,800	\$1,800
Importance Code B	\$91,800	\$1,900	\$3,200	\$1,900
Importance Code C	\$20,500			
<b>Total</b>	<b>\$166,900</b>	<b>\$3,800</b>	<b>\$5,000</b>	<b>\$3,800</b>



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

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

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

**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	\$125,800	LIFE	**	5	\$21,300	
<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>Resting 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	\$7,700	
Stucco Cement	3%	Now	\$20,800	2046	**	5	\$900	
<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	\$3,300	
Parapets								
Masonry: Brick	90%	Now	\$26,400	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	**	5-10	\$3,200	
Roof								
Built-Up (BUR)	10%			2026		10	\$4,000	
<i>Gravel/Slag Surface, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Flat Section</i>								
Metal Panel	87%			2039	**	10	\$63,700	
Roll Roofing	3%			2022		5	\$2,000	
Interior								
Floors								
Cast in Place Concrete	90%	Now	\$25,500	LIFE	**	5	\$55,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Shop Area</i>								
Ceramic Tile	5%			2029	**	5	\$1,400	
Vinyl Tile	5%			2026		3	\$700	

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

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

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



**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	\$300	
Masonry: Brick	93%	Now	\$20,100	LIFE	**			
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Upper Level</i>								
<b>Ceilings</b>								
Exposed Concrete	10%	Now	\$8,800	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	90%			LIFE	**	10	\$50,300	
<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	\$1,400	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One Electrical Service Rated At 400 Amps</i>								
<b>Raceway</b>								
Conduit	100%			2026	\$3,700	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2025	\$14,600	5	\$500	
<b>Wiring</b>								
Braided Cloth	80%	2-4	\$33,300	2051	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Office Plus Electrical Room</i>								
Thermoplastic	20%			2026	\$1,600	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2024	\$21,100	5	\$100	
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$600	
<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	\$42,700	10	\$5,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
HID	70%			2031	**	10	\$400	

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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  
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>	

**Lighting**

Egress Lighting								
Exit, Service	50%			2021	\$2,500	1		
Exit, Battery	50%			2021	\$8,400	10	\$600	
Exterior Lighting								
HID	100%			2021	\$76,800	10	\$100	

**Alarm**

Fire/Smoke Detection								
No Component	70%							
Generic, Analog	30%			2021	\$63,200			

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

**Heating**

Energy Source								
Natural Gas	100%			2036	**	1		
Conversion Equipment								
Steam Boiler	100%			2031	**	1	\$18,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units, One Is Obsolete</i>								
Distribution								
Steam Piping/Pump	100%			2026	\$127,300	4	\$1,400	
Terminal Devices								
Convactor/Radiator	15%			2024	\$25,800	1	\$900	
Fan Coil Unit/Heat	85%			2026	\$232,000	1	\$5,100	

**Air Conditioning**

Energy Source								
Electricity	100%			2034	**	1		
Conversion Equipment								
Window/Wall Unit	10%			2021	\$3,700	1		
No Component	90%							

**Ventilation**

Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$16,500	
Exhaust Fans								
Roof	30%			2026	\$4,300	2	\$200	
Wall Unit	70%			2026	\$19,300	2	\$400	

**Plumbing**

H/C Water Piping								
Brass/Copper	100%			2026	\$54,400	1		
Water Heater								
Gas Fired	100%			2026	\$4,200	2	\$300	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								

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**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>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Plumbing</b>								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Rigid Piping	100%	0-2	\$10,800	2036	* *	4	\$1,600	
			<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
<b>Fixtures</b>								
Generic	100%							
<b>Fire Suppression</b>								
Sprinkler								
Generic	100%			2026	\$212,900	1-2	\$5,200	

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : FLATLANDS AVENUE YARD WAREHOUSE & 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**

**Total**

Importance Code

**Total**

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Exterior Architecture	\$31,300			
Interior Architecture	\$10,300			\$200
Electrical				
Mechanical	\$1,500	\$100	\$100	\$200
<b>Total</b>	<b>\$43,100</b>	<b>\$100</b>	<b>\$100</b>	<b>\$400</b>
Importance Code A	\$31,300			
Importance Code B	\$7,100	\$100	\$100	\$400
Importance Code C	\$4,800			
<b>Total</b>	<b>\$43,100</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.

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**DEPARTMENT OF TRANSPORTATION - 841**  
**FLATLANDS AVENUE YARD WAREHOUSE & 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	
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$24,700	LIFE	**	5	\$2,800	1
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Resting 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	\$1,500	
Windows								
Aluminum	100%	Now	\$900	2042	**	5	\$200	
<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	\$5,600	LIFE	**	5	\$300	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	\$100	LIFE	**	5		
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Roof								
Built-Up (BUR)	100%			2031	**	10	\$5,300	
Interior								
Floors								
Cast in Place Concrete	70%	Now	\$1,300	LIFE	**	5	\$5,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2035	**	5	\$200	
Vinyl Tile	25%	0-2	\$800	2031	**	3	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Gypsum Board	25%			LIFE	**	5-10	\$600	
Masonry: Brick	75%	0-2	\$4,300	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	**	5-10	\$3,500	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**FLATLANDS AVENUE YARD WAREHOUSE & 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	\$3,700	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	\$1,900	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps</i>						
HID	10%			2026	\$1,900	10		
Incandescent	5%			2021	\$600	2		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Distribution								
Steam Piping/Pump	100%			2036	* *	4	\$100	
Terminal Devices								
Convactor/Radiator	100%			2031	* *	1	\$800	
Air Conditioning								
Energy Source								
Electricity	100%			2034	* *	1		
Conversion Equipment								
Window/Wall Unit	20%			2021	\$1,000	1		
No Component	80%							
Ventilation								
Exhaust Fans								
Wall Unit	100%			2026	\$3,700	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%	0-2	\$1,500	2036	* *	1		
		<i>Corroded, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Water Main And Piping</i>						
Water Heater								
Electric	100%			2021	\$400	4		
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		

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

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

**Asset # : 1036**

<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>
Plumbing								
Fixtures								
Generic	100%							

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : GLENDALE YARD BLDG. 1 (SHOPS & OFFICES)  
**Address** : 69-46 SYBILLA STREET  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0126.000 / 2423 **Yr Built/Renovated** : 1928 /  
**Area Sq Ft** : 16,416 **Project Type** : HIGHWAYS  
**Date of Survey** : 17-Oct-2012 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 3886 **Lot** : 558 **BIN** : 4095043

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$307,000	
Interior Architecture		\$129,900
Electrical	\$113,100	
Mechanical	\$70,000	\$287,300
<b>Total</b>	<b>\$490,100</b>	<b>\$417,200</b>
Importance Code A	\$377,000	
Importance Code B	\$113,100	\$417,200
<b>Total</b>	<b>\$490,100</b>	<b>\$417,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$56,600		\$10,900	
Interior Architecture	\$19,000	\$300	\$2,100	
Electrical	\$5,500	\$200	\$44,300	
Mechanical	\$400	\$1,800	\$12,600	\$2,300
<b>Total</b>	<b>\$81,500</b>	<b>\$2,300</b>	<b>\$69,900</b>	<b>\$2,300</b>
Importance Code A	\$56,600	\$1,500	\$12,600	\$1,500
Importance Code B	\$24,200	\$800	\$57,300	\$900
Importance Code C	\$700			
<b>Total</b>	<b>\$81,500</b>	<b>\$2,300</b>	<b>\$69,900</b>	<b>\$2,300</b>



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**DEPARTMENT OF TRANSPORTATION - 841  
GLENDALE YARD BLDG. 1 (SHOPS & OFFICES)**

**Asset # : 2423**

Architecture	Current Repair			Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Exterior Walls									
Concrete Masonry Unit	5%			LIFE	**	5	\$600		
Masonry: Brick	40%	Now	\$91,200	LIFE	**	5	\$7,700		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : South Facade at Plumbing Shops</i>									
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Throughout</i>									
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : North Facade, Throughout</i>									
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : North Facade, Throughout</i>									
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>									
<i>Location : North Facade, Throughout</i>									
Metal Panel	10%			2034	**	5-10	\$13,300		
Metal Coiling Doors	5%			2029	**	5	\$3,000		
Stucco Cement	40%	Now	\$43,800	2029	**	5	\$9,700		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : North Side Above Roll-up Door, South Facade</i>									
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>									
<i>Location : East Facade, Throughout</i>									
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : South Facade</i>									
Windows									
Steel	70%	Now	\$92,800	2049	**	5	\$11,400	1	
<i>Air Infiltration, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
<i>Bent/Warped Elements, Extent : Severe, Area Affected : 25%</i>									
<i>Location : Throughout</i>									
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 50%</i>									
<i>Location : Throughout</i>									
<i>Thermally Inefficient, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
Wood	30%	Now	\$21,400	2049	**	5	\$3,900	1	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 25%</i>									
<i>Location : Throughout</i>									
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 50%</i>									
<i>Location : Throughout</i>									
<i>Thermally Inefficient, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Throughout</i>									

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**DEPARTMENT OF TRANSPORTATION - 841  
GLENDALE YARD BLDG. 1 (SHOPS & OFFICES)**

**Asset # : 2423**

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Parapets								
Masonry: Brick	25%	Now	\$5,800	LIFE	**	5	\$500	
	<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : South Facade, Throughout</i>							
	<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : North Facade, South Facade, Throughout</i>							
Pre-Cast Concrete	5%	Now	\$400	LIFE	**	5	\$600	
	<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Coping</i>							
	<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Coping</i>							
Wood Cornice	70%	Now	\$29,100	2034	**	5	\$8,300	
	<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : South Facade</i>							
	<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : South Facade</i>							
Roof								
Asphalt Shingle	75%	Now	\$79,300	2039	**			
	<i>Debris on Roof, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Throughout</i>							
	<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : South Facade</i>							
	<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Throughout</i>							
Metal Panel	10%			2029	**	10	\$5,800	
Not Accessible	15%							
Interior								
Floors								
Cast in Place Concrete	80%			LIFE	**	5	\$38,600	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Interior Not Accessible</i>							
Vinyl Tile	10%			2024	\$18,300	3	\$800	
Wood	10%			2039	**	5	\$4,100	

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**DEPARTMENT OF TRANSPORTATION - 841  
GLENDALE YARD BLDG. 1 (SHOPS & OFFICES)**

**Asset # : 2423**

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

**Interior**

**Interior Walls**

Cast in Place Concrete	15%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Interior Not Accessible</i>								
Concrete Masonry Unit	5%			LIFE	**	5	\$200	
Gypsum Board	15%			LIFE	**	5	\$800	
Masonry: Brick	55%			LIFE	**			
Plaster	10%	Now	\$700	LIFE	**	5	\$300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : South Wall Near Door</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 25%</i>								
<i>Location : South Wall Near Door</i>								

**Ceilings**

Exposed Concrete	15%			LIFE	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Interior Not Accessible</i>								
Exposed Struc: Steel	10%			LIFE	**			
Fiber Board	65%	Now	\$18,300	2024			\$91,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Wood	10%			LIFE	**	5	\$19,300	

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

**Under 600 Volts**

**Service Equipment**

Molded Case Bkrs	100%			2024	\$1,400	5	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 400 Amps Main Disconnect Switch</i>								

**Raceway**

Conduit	100%			2024	\$3,700	1		
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**Panelboards**

Fused Disc Sw	20%			2023	\$1,500	5	\$100	
Fused Knife Sw	20%	2-4	\$1,500	2049	**	5		
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Molded Case Bkrs	60%			2023	\$4,400	5	\$300	
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*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.*

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

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

**DEPARTMENT OF TRANSPORTATION - 841  
GLENDALE YARD BLDG. 1 (SHOPS & OFFICES)**

**Asset # : 2423**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Wiring								
Braided Cloth	50%	2-4	\$4,000	2049	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Thermoplastic	50%			2024	\$4,000	1		
Motor Controllers								
Locally Mounted	100%			2022	\$14,100	5	\$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	70%			2019	\$52,500	10	\$9,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Using T-12 Lamps</i>								
HID	30%			2019	\$34,400	10	\$100	
Exterior Lighting								
HID	100%			2019	\$60,500	10	\$100	
Alarm								
Security System								
Not Accessible	100%							
Fire/Smoke Detection								
Not Accessible	100%							

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Fuel Oil No 2	100%			2024	\$35,400	5	\$4,600	
Conversion Equipment								
Steam Boiler	100%	Now	\$70,000	2044	**	1	\$13,100	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Boiler Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%			2024	\$100,400	4	\$700	
Terminal Devices								
Convactor/Radiator	80%			2022	\$108,600	1	\$3,800	
Unit Heater-Stm/HW	20%			2024	\$18,600	4	\$300	
Air Conditioning								
Energy Source								
Electricity	100%			2032	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
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*Maintenance \$ are aggregated over a ten-year period. Site 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. 1 (SHOPS & OFFICES)**

**Asset # : 2423**

<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>Air Conditioning</b>								
Conversion Equipment								
Window/Wall Unit	10%			2019	\$3,000	1		
No Component	90%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$8,200	
Exhaust Fans								
Wall Unit	20%			2019	\$4,300	2	\$100	
No Component	80%							
<b>Plumbing</b>								
H/C Water Piping								
Galv Iron/Steel	100%			2022	\$42,900	1		
Water Heater								
Electric	100%			2023	\$2,200	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.*

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : GLENDALE YARD BLDG. 7 (GARAGE & 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** : 17-Oct-2012 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 3886 **Lot** : 558 **BIN** : 4095043

**CAPITAL**

**Total**

Importance Code

**Total**

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Exterior Architecture	\$33,300		\$11,500	\$500
Interior Architecture	\$11,300			\$200
Electrical			\$200	
Mechanical	\$300	\$300	\$300	\$300
<b>Total</b>	<b>\$44,900</b>	<b>\$300</b>	<b>\$12,000</b>	<b>\$900</b>
Importance Code A	\$33,600	\$300	\$11,800	\$700
Importance Code B	\$1,200		\$200	\$200
Importance Code C	\$10,100			
<b>Total</b>	<b>\$44,900</b>	<b>\$300</b>	<b>\$12,000</b>	<b>\$900</b>



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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**GLENDALE YARD BLDG. 7 (GARAGE & 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>	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Cast in Place Concrete	20%			LIFE	**	5	\$6,700	
Masonry: Brick	75%	Now	\$29,700	LIFE	**	5	\$5,000	
<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 : Men Locker Room</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Metal Coiling Doors	5%			2029	**	5	\$1,100	
<b>Windows</b>								
Aluminum	100%			2040	**	5	\$900	
<b>Parapets</b>								
Masonry: Brick	45%	Now	\$3,600	LIFE	**	5	\$300	
<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	\$400	
Metal Panel	5%			2044	**	5	\$100	
<b>Roof</b>								
Modified Bitumen	100%			2029	**	10	\$10,900	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	75%			LIFE	**	5	\$12,600	
Vinyl Tile	25%			2029	**	3	\$1,000	
<b>Interior Walls</b>								
Concrete Masonry Unit	5%			LIFE	**	5	\$100	
Gypsum Board	10%	0-2	\$100	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Men Locker Room</i>								
Masonry: Brick	85%	Now	\$10,100	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	25%			2037	**	5	\$1,900	
Exposed Concrete	75%			LIFE	**	5	\$900	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2054	**	5	\$200	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

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

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

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

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

**Asset # : 2424**

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
Raceway								
Conduit	100%			2054	**	1		
		<i>Recent Installation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
<hr/>								
Panelboards								
Fused Disc Sw	5%			2049	**	5		
Molded Case Bkrs	95%			2049	**	5	\$100	
<hr/>								
Wiring								
Thermoplastic	100%			2054	**	1		
<hr/>								
Motor Controllers								
Locally Mounted	100%			2044	**	5		
<hr/>								
<b>Ground</b>								
Grounding Devices								
Not Accessible	100%							
<hr/>								
<b>Lighting</b>								
Interior Lighting								
Fluorescent	20%			2034	**	10	\$900	
		<i>T-5 Lamps, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Garage</i>						
<hr/>								
Fluorescent	80%			2034	**	10	\$3,800	
		<i>T-8 Lamps, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
<hr/>								
Egress Lighting								
Emergency, Battery	50%			2034	**	10	\$600	
Exit, Service	50%			2034	**	1		
<hr/>								
Exterior Lighting								
HID	100%			2034	**	10		

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Heating</b>								
Energy Source								
Natural Gas	100%			2044	**	1		
<hr/>								
Conversion Equipment								
Furnace	100%			2029	**	1	\$2,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : 3 Units</i>						
<hr/>								
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2040	**	1		
<hr/>								
Conversion Equipment								
Window/Wall Unit	40%			2022	\$4,100	1		
No Component	60%							

**Ventilation**

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

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



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

**Asset # : 2424**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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								
Wall Unit	40%			2029	* *	2	\$100	
No Component	60%							
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2050	* *	1		
Water Heater								
Electric	100%			2023	\$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.*

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 27-Dec-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1  
**Block** : 2186 **Lot** : 9 **BIN** : 1081892

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture		\$38,400
<b>Total</b>		<b>\$38,400</b>
Importance Code A		\$38,400
<b>Total</b>		<b>\$38,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture				
Interior Architecture		\$1,700		
Electrical	\$28,100	\$1,400	\$1,100	\$15,800
Mechanical	\$1,400	\$2,200	\$2,500	\$1,400
<b>Total</b>	<b>\$29,600</b>	<b>\$5,300</b>	<b>\$3,500</b>	<b>\$17,300</b>
Importance Code A	\$2,100	\$700	\$700	\$700
Importance Code B	\$27,400	\$4,600	\$2,800	\$16,600
Importance Code C				
<b>Total</b>	<b>\$29,600</b>	<b>\$5,300</b>	<b>\$3,500</b>	<b>\$17,300</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**  
**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>Exterior</b>								
<b>Exterior Walls</b>								
Masonry: Brick	97%			LIFE	**	5	\$38,400	
Pre-Cast Concrete	3%			LIFE	**	5	\$3,900	
<b>Windows</b>								
Aluminum	50%			2041	**	5	\$1,500	
Fiberglass Panel	50%			2041	**	5	\$5,500	
<b>Parapets</b>								
Masonry: Brick	95%			LIFE	**	5	\$5,200	
Pre-Cast Concrete	5%			LIFE	**	5	\$1,700	
<b>Roof</b>								
Single Ply Membrane	100%			2033	**	10	\$19,900	
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	70%			LIFE	**	5	\$32,500	
Terrazzo	5%			LIFE	**	5	\$800	
Vinyl Tile	25%			2030	**	3	\$2,000	
<b>Interior Walls</b>								
Concrete Masonry Unit	90%			LIFE	**	5	\$6,800	
Glass: Single Pane	5%			LIFE	**	5	\$700	
SGFT/Glazed Masonry	5%			LIFE	**			
<b>Ceilings</b>								
AcousTileSusp.Lay-In	10%			2038	**	5	\$2,100	
Exposed Struc: Steel	75%			LIFE	**			
Gypsum Board	15%			LIFE	**	5	\$4,000	

<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%	2-4	\$1,400	2055	**	5		
<i>Suspect Water Damage, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement Electrical Room</i>								
<i>Explanation : One 2500 Amperes Main Disconnect Switch, Water Damaged From Sandy Storm</i>								
<b>Switchgear / Switchboard</b>								
Fused Disc Sw	100%	Now	\$23,900	2055	**	5		
<i>Suspect Water Damage, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement Electrical Room</i>								
<b>Raceway</b>								
Conduit	90%			2051	**	1		
Conduit	10%	Now	\$400	2055	**	1		
<i>Corroded, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement Electrical Room</i>								

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

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

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

**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>Under 600 Volts</b>								
<b>Panelboards</b>								
Fused Disc Sw	3%	Now	\$200	2050	**	5		
<i>Suspect Water Damage, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Electrical Room</i>								
Fused Disc Sw	2%			2050	**	5		
Fused Disc Sw	5%			2041	**	5		
Molded Case Bkrs	85%			2041	**	5	\$300	
Molded Case Bkrs	5%	Now	\$400	2050	**	5		
<i>Suspect Water Damage, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<b>Wiring</b>								
Thermoplastic	90%			2045	**	1		
Thermoplastic	10%	Now	\$800	2055	**	1		
<i>Suspect Water Damage, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<b>Motor Controllers</b>								
Locally Mounted	90%			2038	**	5	\$100	
Locally Mounted	10%			2045	**	5		
<b>Ground</b>								
<b>Grounding Devices</b>								
Generic	100%			LIFE	**	5	\$200	
<b>Lighting</b>								
<b>Interior Lighting</b>								
Fluorescent	100%			2030	**	10	\$13,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
<b>Egress Lighting</b>								
Emergency, Battery	50%			2030	**	10	\$1,700	
Exit, LED	25%			2053	**	1		
Exit, Service	25%			2030	**	1		
<b>Exterior Lighting</b>								
HID	100%			2030	**	10		
<b>Alarm</b>								
<b>Security System</b>								
No Component	50%							
Generic	50%			2030	**	1	\$2,700	
<b>Fire/Smoke Detection</b>								
Generic	100%			2033	**	1-3	\$8,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Siemens Main Control Panel</i>								

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

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

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

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

**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>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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%			2035	**	1		
Conversion Equipment								
Furnace	85%			2030	**	1	\$6,000	
		<i>Other Observation, Extent : Light, Area Affected : 85%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 6 Roof Top Units</i>						
Hot Water Boiler	15%			2045	**	1	\$1,100	
		<i>Recent Replace Evident, Extent : Light, Area Affected : 30%</i>						
		<i>Location : Basement</i>						
		<i>Other Observation, Extent : Light, Area Affected : 15%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	15%			2041	**	4	\$200	
No Component	85%							
Terminal Devices								
Convactor/Radiator	15%			2038	**	1	\$700	
No Component	85%							
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%			2030	**	2	\$900	
		<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 : 6 Units</i>						
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,900	
Exhaust Fans								
Roof	100%			2030	**	2	\$400	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2045	**	1		
Water Heater								
Gas Fired	100%			2024		2	\$200	
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Rigid Piping	100%			2030	**	4	\$2,500	

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

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

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

**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>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Plumbing								
Backflow Preventer								
Generic	100%			2030	* *	1	\$900	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2045	* *	1-2	\$4,000	

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 27-Dec-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Floors 1,2  
**Block** : 2186 **Lot** : 9 **BIN** : 1081894

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture		\$46,700
<b>Total</b>		<b>\$46,700</b>
Importance Code A		\$46,700
<b>Total</b>		<b>\$46,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$4,500			
Interior Architecture		\$19,600		
Electrical	\$700	\$400	\$400	\$400
Mechanical	\$2,400	\$1,700	\$4,000	\$1,700
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$11,500</b>	<b>\$25,600</b>	<b>\$8,300</b>	<b>\$6,000</b>
Importance Code A	\$5,500	\$1,000	\$1,000	\$1,000
Importance Code B	\$6,000	\$24,600	\$7,300	\$5,000
Importance Code C				
<b>Total</b>	<b>\$11,500</b>	<b>\$25,600</b>	<b>\$8,300</b>	<b>\$6,000</b>



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.  
 Estimates are rounded to the nearest hundred dollars.  
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.  
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**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>Exterior</b>									
Exterior Walls									
Masonry: Brick	80%			LIFE	**	5	\$18,500		
Metal Panel	20%			2051	**	5-10	\$31,800		
Windows									
Aluminum	100%			2047	**	5	\$8,900		
Parapets									
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$2,500		
Masonry: Brick	90%			LIFE	**	5	\$2,900		
Roof									
Single Ply Membrane	100%			2033	**	10	\$46,700		
<b>Interior</b>									
Floors									
Traffic Topping	5%			2033	**	5	\$1,900		
Vinyl Tile	95%			2033	**	3	\$10,700		
Interior Walls									
Concrete Masonry Unit	90%			LIFE	**	5	\$10,900		
Glazed Ceramic Panel	5%			LIFE	**				
Gypsum Board	5%			LIFE	**	5	\$900		
Ceilings									
AcousTileSusp.Lay-In	100%			2038	**	5	\$30,100		
<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>									
Raceway									
Conduit	100%			2051	**	1			
Panelboards									
Fused Disc Sw	10%			2047	**	5			
Molded Case Bkrs	90%			2047	**	5	\$500		
Wiring									
Thermoplastic	100%			2051	**	1			
Motor Controllers									
Locally Mounted	100%			2042	**	5	\$100		
<b>Lighting</b>									
Interior Lighting									
Fluorescent	90%			2033	**	10	\$16,600		
		<i>T-8 Lamps, Extent : Moderate, Area Affected : 90% Location : Throughout The Building</i>							
Fluorescent	10%			2033	**	10	\$1,800		
		<i>T-5 Lamps, Extent : Moderate, Area Affected : 10% Location : Shop &amp; Storage</i>							
Egress Lighting									
Emergency, Battery	50%			2033	**	10	\$2,400		
Exit, LED	50%			2060	**	1			

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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>								
Exterior Lighting								
HID	100%			2033	**	10	\$100	
<b>Alarm</b>								
Security System								
No Component	50%							
Generic	50%			2033	**	1	\$3,800	
Fire/Smoke Detection								
Generic, Digital	100%			2033	**			
<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%			2051	**	1		
Conversion Equipment								
Furnace	80%			2033	**	1	\$8,000	
			<i>Other Observation, Extent : Light, Area Affected : 80%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : 3 Package Units</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%			2047	**	4	\$200	
No Component	80%							
Terminal Devices								
Convactor/Radiator	20%			2042	**	1	\$1,300	
No Component	80%							
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%			2033	**	2	\$1,200	
			<i>R-134a Refrigerant, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 3 Units, Roof</i>					
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$11,200	
Exhaust Fans								
Roof	100%			2033	**	2	\$600	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2051	**	1		

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

<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>Plumbing</b>								
Water Heater								
Gas Fired	100%			2024	\$4,600	2	\$300	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Backflow Preventer								
Generic	100%			2033	* *	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 : 1-3</i>						
		<i>Explanation : 1 Unit</i>						
<b>Fire Suppression</b>								
Sprinkler								
Generic	100%			2051	* *	1-2	\$5,600	

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Electrical		\$111,300
<b>Total</b>		<b>\$111,300</b>
Importance Code B		\$111,300
<b>Total</b>		<b>\$111,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$21,100			
Interior Architecture	\$40,900		\$4,600	\$1,200
Electrical	\$4,000	\$1,000	\$1,200	\$1,300
Mechanical	\$1,500	\$1,200	\$1,000	\$1,300
<b>Total</b>	<b>\$67,500</b>	<b>\$2,200</b>	<b>\$6,800</b>	<b>\$3,800</b>
Importance Code A	\$21,600	\$300	\$500	\$300
Importance Code B	\$40,700	\$1,900	\$6,300	\$3,400
Importance Code C	\$5,100			\$100
<b>Total</b>	<b>\$67,500</b>	<b>\$2,200</b>	<b>\$6,800</b>	<b>\$3,800</b>



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

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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	\$5,500	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	\$7,800	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	\$5,300	
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : East And South Facades</i>								
<i>Explanation : Deformed Dented</i>								
Wood	5%	Now	\$4,300	2031	**	5	\$2,100	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	\$2,300	
Roof								
Metal, Corrugated	80%			2031	**	1		
Roll Roofing	20%			2022	\$11,100	5	\$4,600	
Interior								
Floors								
Cast in Place Concrete	75%			LIFE	**	5	\$47,600	
Ceramic Tile	15%			2035	**	5	\$2,200	
Wood	10%			2054	**	5	\$2,700	
Interior Walls								
Ceramic Tile	5%			2035	**	5	\$300	
Concrete Masonry Unit	25%			LIFE	**	5	\$1,200	
Gypsum Board	15%			LIFE	**	5-10	\$1,500	
Gypsum Board	55%			LIFE	**	5-10	\$5,500	

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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	\$2,900	2039	**	5	\$1,800	
<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	\$6,500	
Exposed Struc: Steel	15%			LIFE	**	10	\$4,300	
Gypsum Board	15%			LIFE	**	5-10	\$7,500	

Electrical		Current Repair		Future 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	\$1,400	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Two 400a Main Disconnect Switch For Main Office Building</i>								
Transformers								
Dry Type	100%			2024	\$15,400	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	\$11,900	5		
Molded Case Bkrs	50%			2026	\$11,900	5	\$100	
Raceway								
Conduit	100%			2026	\$3,700	1		
Panelboards								
Fused Disc Sw	10%			2025	\$700	5		
Molded Case Bkrs	90%			2025	\$6,600	5	\$300	
Wiring								
Thermoplastic	100%			2026	\$8,000	1		
Motor Controllers								
Locally Mounted	20%			2024	\$2,800	5		
Motor Control Center	80%			2024	\$2,600	5	\$200	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2024	\$8,700	1	\$3,300	

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

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

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**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>Priority</b>
<b>Stand-by Power</b>								
<b>Generators</b>								
Diesel	100%			2022	\$71,500	1	\$4,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room - Main Office Building</i>								
<i>Explanation : One 500 Kw, One 800 Kw &amp; One 900 Kw. The Three Generators Are For The Asphalt Plant Only</i>								
<b>Batteries</b>								
Lead/Acid	100%			2017	\$1,500	5	\$400	
<b>Fuel Storage</b>								
<b>Day Tank</b>								
	25%			2025	\$200	5	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Genrator Room</i>								
<i>Explanation : One 125 Gals</i>								
Main Tank	75%			2029	* *	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Three 25,000 Gals</i>								
<b>Lighting</b>								
<b>Interior Lighting</b>								
<b>Fluorescent</b>								
	90%			2031	* *	10	\$8,000	
<i>T-8 Lamps, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
HID	5%			2021	\$3,800	10		
Incandescent	5%			2021	\$2,500	2		
<b>Egress Lighting</b>								
<b>Emergency, Battery</b>								
	50%			2021	\$6,400	10	\$1,200	
<b>Exit, Service</b>								
	50%			2021	\$1,300	1		
<b>Exterior Lighting</b>								
<b>HID</b>								
	100%			2021	\$39,800	10		
<b>Alarm</b>								
<b>Security System</b>								
<b>No Component</b>								
	50%							
<b>Generic</b>								
	50%			2026	\$16,000	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>Priority</b>
<b>Heating</b>								
<b>Energy Source</b>								
Electricity	20%			2046	* *	1		
Natural Gas	80%			2036	* *	1		

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

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

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

**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 Component Type</b>	<b>% of Total</b>	<b>Fail 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	60%			2026	\$6,900	1	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 60%</i>								
<i>Location : Garage</i>								
<i>Explanation : 3 Units</i>								
Radiant Heater	20%			2031	* *	2	\$900	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Fl.</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	\$8,200	1	\$1,200	
Fan Coil Unit/Heat	20%			2026	\$22,700	1	\$600	
No Component	60%							
<b>Air Conditioning</b>								
Energy Source								
Electricity	100%			2034	* *	1		
Conversion Equipment								
Heat Pump	20%			2024	\$4,600	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	\$8,700			
<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	\$3,200	1	\$1,200	
Fan Coil - Cool/Heat	20%			2026	\$14,300	1	\$600	
No Component	60%							
<b>Heat Rejection</b>								
Remote Air Cond	40%			2026	\$9,000	2	\$2,700	
No Component	60%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	\$1,700	
No Component	80%							
Exhaust Fans								
Interior	20%			2026	\$2,100	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>System</b>	<b>Component</b>	<b>% of</b>	<b>Fail Date</b>	<b>Estimated Cost</b>	<b>Year</b>	<b>Estimated Cost</b>	<b>Cycle</b>	<b>Estimated Cost</b>	<b>Priority</b>
	<b>Type</b>	<b>Total</b>	<b>(Years)</b>		<b>FY</b>		<b>(Yrs)</b>		
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2036	* *	1		
	Water Heater								
	Electric	100%			2024	\$1,500	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.*

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$208,200	\$106,200
Interior Architecture	\$188,500	
Electrical		\$895,000
<b>Total</b>	<b>\$396,700</b>	<b>\$1,001,300</b>
Importance Code A	\$208,200	\$106,200
Importance Code B	\$188,500	\$895,000
<b>Total</b>	<b>\$396,700</b>	<b>\$1,001,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$38,900			
Interior Architecture	\$20,300			
Electrical	\$4,900	\$300	\$300	\$1,300
Mechanical			\$7,700	
<b>Total</b>	<b>\$64,100</b>	<b>\$300</b>	<b>\$8,000</b>	<b>\$1,300</b>
Importance Code A	\$38,900			
Importance Code B	\$4,900	\$300	\$8,000	\$1,300
Importance Code C	\$20,300			
<b>Total</b>	<b>\$64,100</b>	<b>\$300</b>	<b>\$8,000</b>	<b>\$1,300</b>



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

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

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**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	
<b>Exterior</b>								
<b>Exterior Walls</b>								
Cast in Place Concrete	80%	Now	\$117,000	LIFE	**	5	\$106,200	
<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	\$8,100	2031	**	5	\$2,100	
<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	\$8,800	2031	**	5	\$8,700	
<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>								
<hr/>								
<b>Windows</b>								
Steel	5%	Now	\$4,100	2051	**	5	\$500	
<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%							
<hr/>								
<b>Parapets</b>								
Cast in Place Concrete	75%	Now	\$14,800	LIFE	**	5	\$24,700	
<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	\$3,100	2031	**	5	\$2,600	
<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>								
<hr/>								
<b>Roof</b>								
Cast in Place Concrete	100%	Now	\$91,100	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**

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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	\$71,500	2031	**	5	\$26,800	
<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	**	10	\$19,200	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	23%			LIFE	**	5	\$1,900	
Glass: Single Pane	2%			LIFE	**	5	\$300	
<b>Ceilings</b>								
Exposed Concrete	100%			LIFE	**	5-10	\$133,800	
<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	\$2,500	5	\$2,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 1200 Amps</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2026	\$47,700	5	\$2,100	
<b>Raceway</b>								
Conduit	100%			2026	\$9,100	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2025	\$29,200	5	\$2,100	
<b>Wiring</b>								
Braided Cloth	10%	2-4	\$2,000	2051	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	90%			2026	\$18,000	1		
<b>Ground</b>								
<b>Grounding Devices</b>								
Not Accessible	100%							
<b>Lighting</b>								
<b>Interior Lighting</b>								
HID	100%			2021	\$557,400	10	\$2,300	
<b>Exterior Lighting</b>								
HID	100%			2021	\$289,900	10	\$200	

**Alarm**

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

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

## Alarm

## Security System

No Component

90%

Generic

10%

2021

\$23,200

1

\$2,900

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

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

## Heating

## Energy Source

Electricity

100%

2036

\* \*

1

## Conversion Equipment

Radiant Heater

5%

2021

\$200

2

No Component

95%

## Air Conditioning

## Energy Source

Electricity

100%

2034

\* \*

1

## Conversion Equipment

Window/Wall Unit

5%

2019

\$7,200

1

No Component

95%

## Plumbing

## H/C Water Piping

Brass/Copper

5%

2036

\* \*

1

No Component

95%

## Water Heater

Electric

5%

2019

\$500

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%

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : JEROME 190TH ST. GARAGE  
**Address** : JEROME AVE. & 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** : 09-Jan-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,3,5,7  
**Block** : 3189 **Lot** : 9 **BIN** : 2014125

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$633,500	\$1,063,400
Interior Architecture	\$879,400	\$386,200
Electrical	\$687,300	\$93,500
<b>Total</b>	<b>\$2,200,300</b>	<b>\$1,543,200</b>
Importance Code A	\$633,500	\$1,063,400
Importance Code B	\$1,016,400	\$479,700
Importance Code C	\$550,400	
<b>Total</b>	<b>\$2,200,300</b>	<b>\$1,543,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$26,400		\$6,600	
Interior Architecture	\$67,400			\$500
Electrical		\$1,400	\$69,800	\$1,500
Mechanical	\$1,000	\$400	\$1,200	
Elevators/Escalators	\$13,800	\$13,800	\$13,800	\$13,800
<b>Total</b>	<b>\$108,600</b>	<b>\$15,600</b>	<b>\$91,400</b>	<b>\$15,900</b>
Importance Code A	\$27,000		\$7,600	
Importance Code B	\$44,000	\$15,600	\$83,900	\$15,900
Importance Code C	\$37,500			
<b>Total</b>	<b>\$108,600</b>	<b>\$15,600</b>	<b>\$91,400</b>	<b>\$15,900</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.

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**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	\$42,400	LIFE	**	5	\$77,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	20%	0-2	\$90,800	LIFE	**	5	\$61,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Panel	60%			2044	**	5-10	\$1,271,500	
Metal Sect. OHD	5%			2037	**	5	\$48,200	
Granite Panels	10%			LIFE	**	5	\$23,100	
Windows								
Steel	5%	Now	\$105,600	2049	**	5	\$12,900	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Stairs</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Stairs</i>								
No Component	95%							
Parapets								
Cast in Place Concrete	40%	0-2	\$2,300	LIFE	**	5	\$19,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	10%			LIFE	**	5	\$500	
Metal Panel	45%			2034	**	5	\$8,100	
Metal Rail	5%			2029	**	5-10	\$4,200	
Roof								
Asphalt Macadam	100%	0-2	\$47,900	2029	**	5	\$23,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Asphalt Macadam	10%	0-2	\$19,900	2037	**	5	\$5,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Cast in Place Concrete	88%	0-2	\$179,300	LIFE	**	5	\$386,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	2%	0-2	\$10,000	2024	\$33,300	3	\$1,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								

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

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

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

**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>	
<b>Interior</b>								
<b>Interior Walls</b>								
Cast in Place Concrete	50%	0-2	\$503,800	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	25%	0-2	\$22,100	LIFE	**	5	\$8,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	15%	0-2	\$46,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	10%	0-2	\$15,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
Exposed Concrete	95%	Now	\$149,700	LIFE	**	5	\$29,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Level 1</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Level 6</i>								
Gypsum Board	5%			LIFE	**	5	\$12,500	
<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%			2024	\$4,700	5	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Next To Main Office</i>								
<i>Explanation : One Electrical Service Rated At 600 Amps</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2024	\$71,600	5	\$3,900	
<b>Raceway</b>								
Conduit	50%			2024	\$7,300	1		
Conduit	50%			2044	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	50%			2040	**	5	\$2,000	
Molded Case Bkrs	50%			2023	\$21,900	5	\$2,000	
<b>Wiring</b>								
Thermoplastic	100%			2034	**	1		

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

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

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

**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>	
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	5%			2019	\$34,200	10	\$6,100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Office Area</i>						
		<i>Explanation : T-12 Lamps</i>						
HID	95%			2029	* *	10	\$4,100	
Egress Lighting								
Exit, Service	50%			2019	\$17,700	1		
Exit, Battery	50%			2019	\$60,200	10	\$4,500	
Exterior Lighting								
HID	100%			2019	\$551,400	10	\$500	
Alarm								
Fire/Smoke Detection								
No Component	95%							
Generic	5%	Now	\$75,600	2034	* *	1-3	\$4,200	
		<i>Not in Service, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Office Room</i>						

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Electricity	100%			2044	* *	1		
Conversion Equipment								
Radiant Heater	5%			2029	* *	2	\$3,100	
No Component	95%							
Air Conditioning								
Energy Source								
Electricity	100%			2040	* *	1		
Conversion Equipment								
Window/Wall Unit	5%			2022	\$13,500	1		
No Component	95%							
Ventilation								
Distribution								
Ductwork/Diffusers	5%			LIFE	* *	2-5	\$3,700	
No Component	95%							
Exhaust Fans								
Interior	5%	Now	\$400	2029	* *	2	\$200	
		<i>Malfunctioning, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : 2 Of 4 Exhaust Fans With Electrical Defect</i>						
No Component	95%							

## Plumbing

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

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

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



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

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Plumbing</b>								
H/C Water Piping Brass/Copper	100%			2044	* *	1		
Water Heater Electric	100%			2022	\$20,300	4	\$1,200	
Sanitary Piping Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping Cast Iron	100%			LIFE	* *	1		
Backflow Preventer Not Accessible	100%							
<b>Fixtures</b>								
Generic	100%							
<b>Vertical Transport</b>								
<b>Elevators</b>								
Geared Traction	100%			LIFE	* *			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1-7</i>								
<i>Explanation : 2 Units</i>								

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : KENT AVENUE BRIDGE COMPLEX GARAGE 1 &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

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$270,700	
Electrical		\$169,200
<b>Total</b>	<b>\$270,700</b>	<b>\$169,200</b>
Importance Code A	\$270,700	
Importance Code B		\$169,200
<b>Total</b>	<b>\$270,700</b>	<b>\$169,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$35,100			
Interior Architecture	\$86,200			\$1,000
Electrical	\$400	\$200	\$300	\$200
Mechanical	\$1,200	\$1,500	\$2,500	\$1,200
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$126,800</b>	<b>\$5,600</b>	<b>\$6,800</b>	<b>\$6,300</b>
Importance Code A	\$35,900	\$500	\$800	\$500
Importance Code B	\$74,800	\$5,000	\$6,000	\$5,800
Importance Code C	\$16,100			
<b>Total</b>	<b>\$126,800</b>	<b>\$5,600</b>	<b>\$6,800</b>	<b>\$6,300</b>



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

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

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**DEPARTMENT OF TRANSPORTATION - 841**  
**KENT AVENUE BRIDGE COMPLEX GARAGE 1 & 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	\$167,800	LIFE	**	5	\$5,700	1
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout Metal Stairs</i>								
Masonry: Brick	95%	Now	\$102,800	LIFE	**	5	\$34,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Windows</b>								
Aluminum	100%	Now	\$14,700	2042	**	5	\$1,800	
<i>Crwt/Balnc Not Funct, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Roof</b>								
Metal Panel	100%	Now	\$20,400	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	\$68,200	
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	\$25,800	
Masonry: Brick	25%			LIFE	**	10	\$3,200	
<b>Ceilings</b>								
Exposed Struc: Steel	20%			LIFE	**	10	\$6,600	
Gypsum Board	80%			LIFE	**	5-10	\$45,100	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
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		

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Maintenance \$ are aggregated over a ten-year period. Site 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 &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	\$400	
Lighting								
Interior Lighting								
Fluorescent	100%			2026	\$70,800	10	\$12,700	
Egress Lighting								
Emergency, Battery	50%			2026	\$9,100	10	\$1,700	
Exit, Service	50%			2026	\$1,800	1		
Exterior Lighting								
HID	50%			2026	\$25,600	10		
No Component	50%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2026	\$12,300	1	\$1,600	
Fire/Smoke Detection								
No Component	30%							
Generic, Digital	70%			2026	\$98,300			

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
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	\$800	
No Component	20%							
Terminal Devices								
Convactor/Radiator	10%			2039	**	1	\$500	
Unit Heater-Stm/HW	70%			2031	**	4	\$900	
No Component	20%							
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		

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

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

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

Mechanical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	60%			2021	\$16,700	1		
No Component	40%							
Ventilation								
Exhaust Fans								
Wall Unit	40%			2031	* *	2	\$200	
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	* *	1		
Water Heater								
Electric	20%			2024	\$400	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)								
Rigid Piping	100%			2031	* *	4	\$1,600	
Backflow Preventer								
Generic	100%			2031	* *	1	\$900	
Fixtures								
Generic	100%							
Vertical Transport								
Elevators								
Hydraulic	100%			LIFE	* *			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1-3</i>						
		<i>Explanation : 1 Unit</i>						
Fire Suppression								
Sprinkler								
Generic	100%			2046	* *	1-2	\$3,900	

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 25-May-2012 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2  
**Block** : 2675 **Lot** : 15 **BIN** : 4059838

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$1,104,700	\$1,114,600
Interior Architecture	\$544,100	\$246,300
Electrical	\$416,200	\$254,100
Mechanical	\$293,400	\$2,483,800
<b>Total</b>	<b>\$2,358,400</b>	<b>\$4,098,700</b>
Importance Code A	\$1,142,900	\$1,114,600
Importance Code B	\$1,149,400	\$2,984,100
Importance Code C	\$66,200	
<b>Total</b>	<b>\$2,358,400</b>	<b>\$4,098,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$9,100	\$27,500		
Interior Architecture	\$3,800	\$7,500		\$3,800
Electrical	\$13,300	\$29,200	\$3,800	\$3,200
Mechanical	\$30,000	\$44,000	\$27,100	\$14,700
<b>Total</b>	<b>\$56,100</b>	<b>\$108,100</b>	<b>\$30,800</b>	<b>\$21,600</b>
Importance Code A	\$10,000	\$36,600	\$8,900	\$8,900
Importance Code B	\$46,100	\$71,500	\$21,900	\$12,700
Importance Code C				
<b>Total</b>	<b>\$56,100</b>	<b>\$108,100</b>	<b>\$30,800</b>	<b>\$21,600</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.

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**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	
<b>Exterior</b>								
Exterior Walls								
Cast in Place Concrete	5%			LIFE	**	5	\$43,900	
Concrete Masonry Unit	60%			LIFE	**	5	\$65,900	
Masonry: Brick	25%	Now	\$258,900	LIFE	**	5	\$43,900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Metal Coiling Doors	10%			2028	**	5	\$54,900	
<b>Windows</b>								
Steel	100%	Now	\$601,900	2039	**	5	\$147,500	
<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>								
<b>Parapets</b>								
Metal: Cage/Fence	25%	Now	\$9,100	2028	**	5	\$7,500	
<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	75%							
<b>Roof</b>								
Modified Bitumen	100%	Now	\$244,000	2023			\$813,400	
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South Side</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Shops</i>								
<b>Interior</b>								
Floors								
Cast in Place Concrete	75%	Now	\$228,700	LIFE	**	5	\$246,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Shops</i>								
Ceramic Tile	5%			2032	**	5	\$7,500	
Vinyl Tile	20%	Now	\$249,300	2033	**	3	\$11,300	
<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 Corridors And Offices</i>								
<i>Explanation : 9x9 Tiles</i>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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>	
Interior								
Interior Walls								
Concrete Masonry Unit	75%			LIFE	**	5	\$18,300	
Concrete Masonry Unit	5%	Now	\$66,200	LIFE	**	5	\$1,200	
<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	\$2,300	
Gypsum Board	5%			LIFE	**	5	\$1,800	
Masonry: Brick	10%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%			2028	**	5	\$15,000	
Exposed Concrete	60%			LIFE	**	5	\$14,100	
Exposed Struc: Steel	10%			LIFE	**			
Plaster	20%			LIFE	**	5	\$18,800	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	25%			2023	\$1,200	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room 3</i>								
<i>Explanation : No Ratings Available</i>								
Fused Disc Sw	25%			2023	\$1,200	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room 2</i>								
<i>Explanation : Service Switch Rated @ 600 Amperes</i>								
Fused Disc Sw	50%			2023	\$2,400	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room 1</i>								
<i>Explanation : Service Switch Rated @ 3000 Amperes</i>								
Switchgear / Switchboard								
Fused Disc Sw	80%			2023	\$57,300	5	\$400	
Molded Case Bkrs	20%			2023	\$14,300	5	\$600	
Raceway								
Conduit	50%			2023	\$7,300	1		
Conduit	50%			2033	**	1		
Panelboards								
Fused Disc Sw	5%			2022	\$2,200	5	\$100	
Molded Case Bkrs	60%			2031	**	5	\$1,800	
Molded Case Bkrs	35%			2022	\$15,300	5	\$1,000	

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

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

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



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

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
Under 600 Volts								
Wiring								
Braided Cloth	30%	2-4	\$9,600	2048	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	50%			2033	**	1		
Thermoplastic	20%			2023	\$6,400	1		
Motor Controllers								
Locally Mounted	100%			2021	\$91,300	5	\$800	
Ground								
Grounding Devices								
Not Accessible	50%							
Generic	50%			LIFE	**	5	\$800	
Lighting								
Interior Lighting								
Fluorescent	98%			2031	**	10	\$90,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
HID	2%			2031	**	10	\$100	
Egress Lighting								
Emergency, Battery	50%			2018	\$66,000	10	\$12,100	
Exit, Service	50%			2018	\$13,200	1		
Exterior Lighting								
Incandescent	100%			2018	\$350,100	2	\$200	
Alarm								
Security System								
No Component	70%							
Generic	30%			2031	**	1	\$12,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Corridors</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								
Fire/Smoke Detection								
No Component	70%							
Generic	30%			2031	**	1-3	\$20,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Fire Alarm Control Panel And Alarm Bells</i>								

<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>
Heating								
Energy Source								
Natural Gas	20%			2033	**	1		
Interruptible Gas/Dual Fuel	80%			2033	**	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**  
**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	
Heating								
Conversion Equipment								
Furnace	20%			2023	\$23,900	1	\$9,900	
	<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	\$38,100	2028	**	1	\$71,500	
	<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								
Steam Piping/Pump	80%			2023	\$547,100	4	\$4,000	
No Component	20%							
Terminal Devices								
Air Handler	40%	Now	\$211,200	2033	**	1	\$22,300	
	<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%			2028	**	1	\$3,200	
Fan Coil Unit/Heat	30%	Now	\$44,000	2023	\$439,900	1	\$8,700	
	<i>Broken, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Fan Motors In Units Not Operating</i>							
No Component	20%							
Air Conditioning								
Energy Source								
Electricity	100%			2031	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	20%			2023	\$129,200	2	\$1,200	
	<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%			2018	\$20,100	1		
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	\$16,900	LIFE	**	2-5	\$55,900	
	<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**

Mechanical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Exhaust Fans								
Roof	100%	Now	\$7,800	2023	\$77,900	2	\$2,500	
	<i>Not in Service, Extent : Severe, Area Affected : 15%</i>							
	<i>Location : Roof</i>							
Plumbing								
H/C Water Piping								
Brass/Copper	50%			2033	**	1		
Galv Iron/Steel	50%			2021	\$146,200	1		
Water Heater								
Electric	5%			2021	\$800	4		
Gas Fired	40%			2018	\$9,100	2	\$600	
No Component	55%							
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2023	\$1,143,500	1-2	\$28,100	

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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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 03-Dec-2013 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,2,3,4,5  
**Block** : 10092 **Lot** : 6 **BIN** : 4215603

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Interior Architecture	\$153,500	\$165,300
<b>Total</b>	<b>\$153,500</b>	<b>\$165,300</b>
Importance Code B	\$153,500	\$165,300
<b>Total</b>	<b>\$153,500</b>	<b>\$165,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$27,200	\$22,400		\$7,300
Interior Architecture		\$5,800	\$300	
Electrical	\$1,400	\$1,400	\$1,400	\$20,100
Mechanical	\$500		\$500	\$3,500
Elevators/Escalators	\$4,900	\$4,900	\$4,900	\$4,900
<b>Total</b>	<b>\$34,000</b>	<b>\$34,500</b>	<b>\$7,100</b>	<b>\$35,900</b>
Importance Code A	\$27,200	\$22,400		\$7,600
Importance Code B	\$6,800	\$12,100	\$7,100	\$28,200
Importance Code C				
<b>Total</b>	<b>\$34,000</b>	<b>\$34,500</b>	<b>\$7,100</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.

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

<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	20%			LIFE	**	5	\$27,800	
Concrete Masonry Unit	20%			LIFE	**	5	\$3,500	
Exposed Struc: Steel	8%			LIFE	**	5	\$6,900	
Masonry: Brick	15%			LIFE	**	5	\$4,200	
Metal Panel	5%			2045	**	5-10	\$9,600	
Metal Sect. OHD	2%			2038	**	5	\$1,700	
Metal: Cage/Fence	25%			2038	**	5	\$30,400	
Window Wall	5%			2045	**	5	\$5,200	
<b>Parapets</b>								
Cast in Place Concrete	20%			LIFE	**	5	\$4,100	
Masonry: Brick	10%			LIFE	**	5	\$200	
Metal: Cage/Fence	70%			2038	**	5-10	\$10,800	
<b>Roof</b>								
Cast in Place Concrete	95%	Now	\$27,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Single Ply Membrane	5%			2030	**	10	\$2,100	
<b>Interior</b>								
<b>Floors</b>								
Asphalt Macadam	23%			2038	**	5	\$11,600	
Cast in Place Concrete	75%	Now	\$153,500	LIFE	**	5	\$165,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	2%			2025		3	\$800	
<b>Interior Walls</b>								
Cast in Place Concrete	25%			LIFE	**			
Concrete Masonry Unit	75%			LIFE	**	5	\$2,900	
<b>Ceilings</b>								
Exposed Struc: Steel	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>Service Equipment</b>								
Fused Disc Sw	100%			2045	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Switch Rated @ 800 Amperes</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2045	**	5	\$1,900	
<b>Raceway</b>								
Conduit	100%			2045	**	1		

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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>	
Under 600 Volts								
Panelboards								
Fused Disc Sw	10%			2041	**	5	\$200	
Molded Case Bkrs	90%			2041	**	5	\$1,800	
Wiring								
Thermoplastic	100%			2045	**	1		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	5%			2030	**	10	\$3,100	
		<i>T-8 Lamps, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Office</i>						
HID	95%			2030	**	10	\$2,100	
Egress Lighting								
Emergency, Battery	75%			2030	**	10	\$12,200	
Exit, Service	25%			2030	**	1		
Exterior Lighting								
HID	100%			2030	**	10	\$200	
Alarm								
Security System								
No Component	50%							
Generic	50%			2030	**	1	\$13,800	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Inside And Outside</i>						
		<i>Explanation : 16 CCTV Surveillance Cameras</i>						
Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%			2030	**			
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room Only</i>						
		<i>Explanation : Smoke Detector</i>						

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
Heating								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Radiant Heater	5%			2020	\$100	2		
		<i>Other Observation, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Pay Booths</i>						
		<i>Explanation : 2 Units</i>						
No Component	95%							

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

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
<b>Heating</b>							
Distribution							
Ductwork/Diffusers	3%			LIFE	**	2-5	
No Component	97%						
Terminal Devices							
Fan Coil Unit/Heat	3%			2025		1	
No Component	97%						
<b>Air Conditioning</b>							
Energy Source							
Electricity	100%			2033	**	1	
Conversion Equipment							
Heat Pump	3%			2023	\$100	2	\$100
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 3%</i>				
			<i>Location : Office</i>				
			<i>Other Observation, Extent : Light, Area Affected : 3%</i>				
			<i>Location : Office</i>				
			<i>Explanation : 1 Unit - Providing Both Heating and Cooling For Office Only</i>				
Window/Wall Unit	2%			2020	\$2,700	1	
No Component	95%						
Heat Rejection							
Air Condenser Unit	5%			2025	\$300	2	\$2,300
No Component	95%						
<b>Plumbing</b>							
H/C Water Piping							
Brass/Copper	3%			2035	**	1	
No Component	97%						
Water Heater							
Electric	5%			2020	\$500	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 : G-6</i>				
			<i>Explanation : 1 Unit</i>				
<b>Fire Suppression</b>							
Standpipe							
Generic	100%			2035	**	1-5	\$400

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 225,000 **Project Type** : HIGHWAYS  
**Date of Survey** : 24-Feb-2012 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1,3,5,6  
**Block** : 6 **Lot** : 21 **BIN** : 5151736

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$184,600	\$2,017,100
Interior Architecture		\$678,900
Mechanical		\$50,000
<b>Total</b>	<b>\$184,600</b>	<b>\$2,746,000</b>
Importance Code A	\$184,600	\$2,017,100
Importance Code B		\$728,900
<b>Total</b>	<b>\$184,600</b>	<b>\$2,746,000</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture				\$30,500
Interior Architecture			\$800	\$7,500
Electrical	\$5,500	\$11,400	\$5,500	\$5,500
Mechanical	\$50,600	\$37,900	\$62,400	\$15,300
Elevators/Escalators	\$11,800	\$11,800	\$11,800	\$11,800
<b>Total</b>	<b>\$67,900</b>	<b>\$61,100</b>	<b>\$80,500</b>	<b>\$70,600</b>
Importance Code A	\$16,200	\$500	\$16,200	\$30,500
Importance Code B	\$51,700	\$60,600	\$64,300	\$40,100
Importance Code C				
<b>Total</b>	<b>\$67,900</b>	<b>\$61,100</b>	<b>\$80,500</b>	<b>\$70,600</b>



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

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**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>								
Exterior Walls								
Cast in Place Concrete	7%			LIFE	**	5	\$159,000	
Cast in Place Concrete	70%			LIFE	**	5	\$1,590,400	
Masonry: Limestone	3%			LIFE	**	5	\$10,200	
Metal: Cage/Fence	10%			2040	**	5	\$198,800	
Window Wall	10%			2049	**	5	\$170,400	
Windows								
Aluminum	100%			2045	**	5	\$61,000	
Parapets								
Cast in Place Concrete	100%			LIFE	**	5	\$83,000	
Roof								
Cast in Place Concrete	100%			LIFE	**			
<b>Interior</b>								
Floors								
Cast in Place Concrete	96%			LIFE	**	5	\$634,100	
Ceramic Tile	2%			2036	**	5	\$6,000	
Vinyl Tile	2%			2031	**	3	\$2,300	
Interior Walls								
Cast in Place Concrete	80%			LIFE	**			
Ceramic Tile	2%			2036	**	5	\$2,500	
Concrete Masonry Unit	10%			LIFE	**	5	\$4,900	
Gypsum Board	2%			LIFE	**	5	\$1,500	
Metal: Cage/Fence	6%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%			2040	**	5	\$15,100	
Exposed Concrete	95%			LIFE	**	5	\$44,800	

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
Service Equipment								
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 Amps Main Disconnect Switch</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2053	**	5	\$1,000	
Raceway								
Conduit	100%			2053	**	1		
Panelboards								
Fused Disc Sw	10%			2048	**	5	\$500	
Molded Case Bkrs	90%			2048	**	5	\$5,300	
Wiring								
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%			2043	**	5	\$1,500	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$3,300	
Lighting								
Interior Lighting								
Fluorescent	10%			2033	**	10	\$18,500	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Office, Staircase, Mechanical Rm. &amp; Electrical Rm.</i>						
		<i>Explanation : T-8 Lamps</i>						
HID	90%			2033	**	10	\$5,900	
Egress Lighting								
Emergency, Battery	50%			2033	**	10	\$24,300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : Emergency Battery Power Supplies - Lighting &amp; Elevators</i>						
Exit, Service	50%			2033	**	1		
Exterior Lighting								
HID	100%			2033	**	10	\$700	
Alarm								
Security System								
No Component	80%							
Generic	20%			2033	**	1	\$16,800	
Fire/Smoke Detection								
No Component	70%							
Generic	30%			2033	**	1-3	\$41,600	

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>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	40%			2027	**	2	\$25,000	
Radiant Heater	60%			2031	**	2	\$56,100	
		<i>Other Observation, Extent : Light, Area Affected : 60%</i>						
		<i>Location : Garage Office And Rest Rooms</i>						
		<i>Explanation : Electric Base Board And Unit Heaters</i>						
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Heat Pump	40%			2027	**	2	\$4,900	
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**  
**STATEN ISLAND COURTHOUSE GARAGE**  
**Asset # : 14557**

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Air Conditioning							
Terminal Devices							
Fan Coil - Cooling	100%			2031	**	1	\$65,200
<i>Other Observation, Extent : Light, Area Affected : 60%</i>							
<i>Location : Garage Office And Elevator Equipment Room</i>							
<i>Explanation : Split Unit Evaporators</i>							
Heat Rejection							
Remote Air Cond	60%			2031	**	2	\$84,300
<i>Other Observation, Extent : Light, Area Affected : 60%</i>							
<i>Location : Garage Office And Elevator Equipment Room</i>							
<i>Explanation : Split Unit Condensers</i>							
No Component	40%						
Ventilation							
Distribution							
Ductwork/Diffusers	100%			LIFE	**	2-5	\$112,500
Exhaust Fans							
Interior	100%			2031	**	2	\$6,200
Plumbing							
H/C Water Piping							
Brass/Copper	100%			2053	**	1	
Water Heater							
Not Accessible	100%						
Sanitary Piping							
Cast Iron	100%			LIFE	**	1	
Storm Drain Piping							
Cast Iron	100%			LIFE	**	1	
Backflow Preventer							
Generic	100%			2033	**	1	\$12,400
Fixtures							
Generic	100%						
Vertical Transport							
Elevators							
Hydraulic	100%			LIFE	**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
<i>Location : Northeast Corner Of Garage</i>							
<i>Explanation : 2 Units</i>							
Fire Suppression							
Standpipe							
Generic	100%			2053	**	1-5	\$105,500

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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 19-Feb-2014 **Landmark Status** : NONE  
**Areas Surveyed** : Roof, Floors 1  
**Block** : 489 **Lot** : 48 **BIN** : 5013187

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$37,800	
Interior Architecture	\$104,300	\$35,700
Electrical	\$47,200	\$52,700
<b>Total</b>	<b>\$189,200</b>	<b>\$88,400</b>
Importance Code A	\$37,800	
Importance Code B	\$151,500	\$88,400
<b>Total</b>	<b>\$189,200</b>	<b>\$88,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$6,100	\$1,200		\$1,000
Interior Architecture	\$40,900	\$100		\$200
Electrical	\$100	\$300	\$100	\$27,400
Mechanical	\$1,200	\$1,900	\$1,800	\$1,000
<b>Total</b>	<b>\$48,300</b>	<b>\$3,500</b>	<b>\$1,900</b>	<b>\$29,600</b>
Importance Code A	\$6,600	\$1,700	\$600	\$1,700
Importance Code B	\$34,500	\$1,700	\$1,400	\$27,900
Importance Code C	\$7,200			
<b>Total</b>	<b>\$48,300</b>	<b>\$3,500</b>	<b>\$1,900</b>	<b>\$29,600</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.

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**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>Exterior</b>								
<b>Exterior Walls</b>								
Concrete Masonry Unit	10%	0-2	\$6,100	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	85%	0-2	\$37,800	LIFE	**	5	\$12,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	5%			2038	**	5	\$2,400	
<b>Windows</b>								
Aluminum	100%			2050	**	5	\$2,000	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<b>Parapets</b>								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,200	
Masonry: Brick	90%			LIFE	**	5	\$1,400	
<b>Roof</b>								
Not Accessible	100%							
<b>Interior</b>								
<b>Floors</b>								
Cast in Place Concrete	95%	0-2	\$33,100	LIFE	**	5	\$35,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Quarry Tile	1%			2038	**	5	\$300	
Vinyl Tile	4%	2-4	\$600	2030	**	3	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Interior Walls</b>								
Cast in Place Concrete	5%			LIFE	**			
Concrete Masonry Unit	95%	2-4	\$7,200	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
AcousTileSusp.Lay-In	1%			2045	**	5	\$200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Wood	99%	Now	\$104,300	LIFE	**			
<i>Water Penetration, 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>	

Under 600 Volts

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

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**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>	
<b>Under 600 Volts</b>								
Service Equipment								
Molded Case Bkrs	100%			2035	**	5	\$300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Office</i>						
		<i>Explanation : 100 Amps</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2035	**	5	\$300	
Raceway								
Conduit	100%			2035	**	1		
Panelboards								
Molded Case Bkrs	100%			2033	**	5	\$300	
Wiring								
Thermoplastic	100%			2035	**	1		
Motor Controllers								
Locally Mounted	100%			2038	**	5	\$100	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Water Main</i>						
		<i>Explanation : Water Main</i>						
<b>Lighting</b>								
Interior Lighting								
Fluorescent	90%			2025	\$52,700	10	\$9,500	
		<i>T-12 Lamps, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Fluorescent	10%			2030	**	10	\$1,100	
		<i>T-8 Lamps, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Office</i>						
Egress Lighting								
Exit, Service	50%			2025	\$1,500	1		
Exit, Battery	50%			2025	\$5,200	10	\$400	
Exterior Lighting								
HID	100%			2020	\$47,200	10		
<b>Alarm</b>								
Security System								
No Component	80%							
Generic	20%			2030	**	1	\$1,000	
Fire/Smoke Detection								
No Component	80%							
Generic, Analog	20%			2020	\$25,900			

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

**Heating**

*Note : 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**  
**STATEN ISLAND SIGN SHOP**  
**Asset # : 14717**

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Heating							
Energy Source							
Natural Gas	100%			2051	**	1	
Conversion Equipment							
Furnace	100%			2030	**	1	\$5,700
Distribution							
Steam Piping/Pump	100%			2045	**	4	\$800
Terminal Devices							
Convactor/Radiator	100%			2038	**	1	\$3,700
Air Conditioning							
Energy Source							
Electricity	100%			2041	**	1	
Conversion Equipment							
Window/Wall Unit	5%			2023	\$1,200	1	
No Component	95%						
Ventilation							
Distribution							
Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,400
Exhaust Fans							
Interior	100%			2030	**	2	\$400
Plumbing							
H/C Water Piping							
Brass/Copper	100%			2045	**	1	
Water Heater							
Gas Fired	100%			2024	\$2,600	2	\$200
Sanitary Piping							
Cast Iron	100%			LIFE	**	1	
Storm Drain Piping							
Not Accessible	100%						
Sump Pump(s)							
Rigid Piping	100%			2030	**	4	\$2,500
Fixtures							
Generic	100%						

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Interior Architecture	\$44,000	\$44,000
<b>Total</b>	<b>\$44,000</b>	<b>\$44,000</b>
Importance Code B	\$44,000	\$44,000
<b>Total</b>	<b>\$44,000</b>	<b>\$44,000</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$78,200	\$5,600	\$1,600	
Interior Architecture	\$50,200	\$5,900	\$3,000	
Electrical	\$1,000	\$300	\$300	\$300
Mechanical	\$21,400	\$3,300	\$5,100	\$3,300
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$154,700</b>	<b>\$18,900</b>	<b>\$14,000</b>	<b>\$7,500</b>
Importance Code A	\$79,300	\$6,700	\$2,800	\$1,100
Importance Code B	\$68,800	\$12,300	\$10,600	\$6,400
Importance Code C	\$6,600		\$700	
<b>Total</b>	<b>\$154,700</b>	<b>\$18,900</b>	<b>\$14,000</b>	<b>\$7,500</b>



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

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

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**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>								
Exterior Walls								
Concrete Masonry Unit	25%			LIFE	**	5	\$12,300	
Masonry: Brick Cavity	25%			LIFE	**	5	\$19,600	
Metal Panel	10%			2052	**	5-10	\$27,000	
Metal Coiling Doors	5%			2043	**	5	\$6,100	
Pre-Cast Concrete	5%			LIFE	**	5	\$12,800	
Window Wall	30%			2052	**	5	\$44,200	
Windows								
Aluminum	95%			2048	**	5	\$5,000	
Metal Louvers	5%			2039	**	10	\$1,600	
Roof								
Metal Panel	75%	Now	\$26,400	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>								
Floors								
Carpet	15%			2027	**	3	\$7,500	
Cast in Place Concrete	60%			LIFE	**	5	\$88,100	
Ceramic Tile	10%			2039	**	5	\$3,400	
Vinyl Tile	15%			2034	**	3	\$1,900	
Interior Walls								
Ceramic Tile	10%			2039	**	5	\$1,400	
Concrete Masonry Unit	55%			LIFE	**	5	\$6,000	
Glass: Single Pane	15%			LIFE	**	5	\$3,100	
Gypsum Board	10%			LIFE	**	5-10	\$2,300	
Masonry: Brick	5%			LIFE	**	10	\$200	
SGFT/Glazed Masonry	5%			LIFE	**	10	\$300	
Ceilings								
AcousTileSusp.Lay-In	20%			2043	**	5	\$6,700	
Exposed Struc: Steel	40%			LIFE	**	10	\$26,800	
Metal Panel	40%			LIFE	**	5	\$33,600	
<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>								
Service Equipment								
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 @ 400 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2046	**	5	\$700	

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

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

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**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 Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	<b>Priority</b>
<b>Under 600 Volts</b>								
Raceway								
Conduit	100%			2046	**	1		
Panelboards								
Fused Disc Sw	5%			2042	**	5		
Molded Case Bkrs	95%			2042	**	5	\$600	
Wiring								
Thermoplastic	100%			2046	**	1		
Motor Controllers								
Locally Mounted	70%			2039	**	5	\$100	
Variable Frequency Drive	30%			2039	**			
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$700	
<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>								
Interior Lighting								
Fluorescent	90%			2031	**	10	\$18,500	
<i>T-8 Lamps, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	10%			2031	**	10	\$2,100	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Offices</i>								
Egress Lighting								
Emergency, Battery	50%			2031	**	10	\$2,700	
Exit, LED	50%			2054	**	1		
Exterior Lighting								
HID	100%			2031	**	10	\$100	
<b>Alarm</b>								
Security System								
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 : C C T V Surveillance Cameras</i>								
Fire/Smoke Detection								
Generic, Digital	100%			2031	**			
<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>								

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

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

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

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

**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	
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2039	**	1	\$11,100	
		<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	\$5,500	2048	**	4	\$1,100	
		<i>Malfunctioning, Extent : Severe, Area Affected : 20%</i>						
		<i>Location : Bms System</i>						
Terminal Devices								
Air Handler	60%	Now	\$3,500	2031	**	1	\$7,500	
		<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	**	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	\$19,800	
Exhaust Fans								
Interior	100%			2031	**	2	\$700	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Gas Fired	100%			2024		2	\$5,100	\$300
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
Vertical Transport								

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

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

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

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

<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>
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	\$11,300	
	Sprinkler								
	Generic	100%			2046	**	1-2	\$6,300	

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : WEBSTER AVENUE FLEET SERVICES MAINTENANCE & 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** : 15-Oct-2012 Landmark Status : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1,2  
**Block** : 3030 Lot : 6 BIN : 2011133

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$85,000	\$54,700
Interior Architecture		\$115,800
Electrical		\$225,900
<b>Total</b>	<b>\$85,000</b>	<b>\$396,400</b>
Importance Code A	\$85,000	\$54,700
Importance Code B		\$341,700
<b>Total</b>	<b>\$85,000</b>	<b>\$396,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$30,300		\$20,500	\$15,600
Interior Architecture	\$30,100	\$900		\$900
Electrical	\$900	\$700	\$6,400	\$1,400
Mechanical	\$20,500	\$5,400	\$21,200	\$6,100
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
<b>Total</b>	<b>\$85,800</b>	<b>\$10,900</b>	<b>\$52,000</b>	<b>\$28,000</b>
Importance Code A	\$32,300	\$1,000	\$22,600	\$16,600
Importance Code B	\$25,800	\$9,900	\$29,400	\$11,400
Importance Code C	\$27,600			
<b>Total</b>	<b>\$85,800</b>	<b>\$10,900</b>	<b>\$52,000</b>	<b>\$28,000</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**  
**WEBSTER AVENUE FLEET SERVICES MAINTENANCE & 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	
<b>Exterior</b>								
Exterior Walls								
Concrete Masonry Unit	70%			LIFE	**	5	\$31,900	
Metal Panel	15%			2044	**	5-10	\$75,200	
Metal Coiling Doors	10%	0-2	\$20,200	2037	**	5	\$11,400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$11,800	
<b>Windows</b>								
Fiberglass Panel	85%			2040	**	5	\$31,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Over Main Shop</i>								
Glass Block	5%			LIFE	**	5	\$300	
Metal Louvers	10%			2033	**	10	\$6,100	
<b>Parapets</b>								
Concrete Masonry Unit	20%			LIFE	**	5	\$900	
Masonry: Brick	25%	Now	\$5,500	LIFE	**	5	\$1,000	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Along Flashing</i>								
<i>Weepholes Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Interior Face Of East Parapet</i>								
Metal Security Bars	5%			2052	**			
Pre-Cast Concrete	50%			LIFE	**	5	\$12,200	
<b>Roof</b>								
Built-Up (BUR)	35%	0-2	\$4,600	2029	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Panel	65%	Now	\$85,000	2037	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Fascia At North Side</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At A C Unit Penetrations</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : North West Corner</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Over Garage Area</i>								
<b>Interior</b>								
Floors								
Cast in Place Concrete	85%			LIFE	**	5	\$115,800	
Ceramic Tile	3%			2033	**	5	\$1,900	
Vinyl Tile	12%			2029	**	3	\$3,700	

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WEBSTER AVENUE FLEET SERVICES MAINTENANCE & 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>Interior Walls</b>								
Concrete Masonry Unit	70%	0-2	\$19,200	LIFE	**	5	\$7,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Glass: Single Pane	5%	Now	\$700	LIFE	**	5	\$900	
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Conference Room</i>								
Gypsum Board	10%	0-2	\$500	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	15%	0-2	\$7,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Ceilings</b>								
Exposed Struc: Steel	95%			LIFE	**			
Gypsum Board	5%	0-2	\$1,500	LIFE	**	5	\$3,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

<b>Electrical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Under 600 Volts</b>								
<b>Service Equipment</b>								
Fused Disc Sw	100%			2044	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Protector Rated @ 2500 Amps</i>								
<b>Switchgear / Switchboard</b>								
Molded Case Bkrs	100%			2044	**	5	\$1,200	
<b>Raceway</b>								
Conduit	100%			2044	**	1		
<b>Panelboards</b>								
Molded Case Bkrs	100%			2040	**	5	\$1,200	
<b>Wiring</b>								
Thermoplastic	100%			2044	**	1		
<b>Motor Controllers</b>								
Locally Mounted	100%			2037	**	5	\$300	
<b>Ground</b>								
<b>Grounding Devices</b>								
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>								

**Lighting**

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

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**DEPARTMENT OF TRANSPORTATION - 841**  
**WEBSTER AVENUE FLEET SERVICES MAINTENANCE & 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>Lighting</b>								
Interior Lighting Fluorescent	10%			2029	**	10	\$3,800	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Office</i>							
	<i>Explanation : T-8 Lamps</i>							
HID	90%			2029	**	10	\$1,200	
<b>Egress Lighting</b>								
Emergency, Battery	50%			2024	\$27,400	10	\$5,000	
Emergency, Battery	50%			2024	\$27,400	10	\$5,000	
<b>Exterior Lighting</b>								
HID	100%			2024	\$171,100	10	\$100	
<b>Alarm</b>								
<b>Security System</b>								
No Component	85%							
Generic	15%			2029	**	1	\$2,600	
<b>Fire/Smoke Detection</b>								
No Component	85%							
Generic	15%			2029	**	1-3	\$4,400	
<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>								
<b>Energy Source</b>								
Electricity	25%			2044	**	1		
Natural Gas	75%			2044	**	1		
<b>Conversion Equipment</b>								
Furnace	50%			2029	**	1	\$10,300	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Roof</i>							
	<i>Explanation : 5 Units - Included In A C System</i>							
Radiant Heater	25%			2029	**	2	\$4,800	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Offices, 1st Floor</i>							
	<i>Explanation : 15 Units</i>							
No Component	25%							
<b>Air Conditioning</b>								
<b>Energy Source</b>								
Electricity	100%			2040	**	1		

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Estimates are rounded to the nearest hundred dollars.

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

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

**Asset # : 2847**

Mechanical	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>Air Conditioning</b>								
<b>Conversion Equipment</b>								
Ext Pkg Unit - Heating/Cooling	100%	Now	\$13,400	2029	**	2	\$2,000	
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Control System</i>								
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : A C Units</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Units</i>								
<b>Terminal Devices</b>								
Air Handler/Cool/Ht	5%	Now	\$400	2024	\$8,600	1	\$1,200	
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Control System. Penthouse</i>								
No Component	95%							
<b>Heat Rejection</b>								
Air Condenser Unit	5%			2029	**	2	\$1,500	
No Component	95%							
<b>Ventilation</b>								
<b>Distribution</b>								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$23,200	
<b>Exhaust Fans</b>								
Interior	90%			2029	**	2	\$1,100	
Roof	10%			2029	**	2	\$100	
<b>Plumbing</b>								
<b>H/C Water Piping</b>								
Galv Iron/Steel	100%			2041	**	1		
<b>Water Heater</b>								
Electric	30%			2022	\$1,900	4	\$100	
Gas Fired	70%			2022	\$6,600	2	\$400	
<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%			2032	**	1	\$2,600	
<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 : 1-2</i>								
<i>Explanation : One Unit</i>								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WEBSTER AVENUE FLEET SERVICES MAINTENANCE & 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>
Fire Suppression	Standpipe							
	Generic	100%			2044	* *	1-5	\$21,800
	Sprinkler							
	Generic	100%			2044	* *	1-2	\$11,700
	Fire Pump							
	Generic	100%			2033	* *	1	\$7,800
	Chemical System							
	No Component	80%						
	Generic	20%			2019	\$5,100	1-3	\$10,100

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : WEBSTER AVENUE YARD STAGING GARAGE & 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** : 15-Oct-2012 **Landmark Status** : NONE  
**Areas Surveyed** : Basement, Roof, Floors 1  
**Block** : 3030 **Lot** : 6 **BIN** : 2100288

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Exterior Architecture	\$84,200	
Interior Architecture		\$97,400
Electrical		\$135,900
<b>Total</b>	<b>\$84,200</b>	<b>\$233,300</b>
Importance Code A	\$84,200	
Importance Code B		\$233,300
<b>Total</b>	<b>\$84,200</b>	<b>\$233,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Exterior Architecture	\$43,300	\$5,700	\$8,100	
Interior Architecture	\$1,700	\$1,000		\$400
Electrical	\$700	\$500	\$10,600	\$1,100
Mechanical	\$10,000	\$3,400	\$6,800	\$3,400
<b>Total</b>	<b>\$55,700</b>	<b>\$10,600</b>	<b>\$25,500</b>	<b>\$4,900</b>
Importance Code A	\$45,000	\$7,200	\$10,000	\$1,500
Importance Code B	\$10,700	\$3,200	\$15,500	\$3,400
Importance Code C		\$300		
<b>Total</b>	<b>\$55,700</b>	<b>\$10,600</b>	<b>\$25,500</b>	<b>\$4,900</b>



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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WEBSTER AVENUE YARD STAGING GARAGE & 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	65%			LIFE	**	5	\$17,600	
Fiberglass Panel	7%			2033	**	5	\$11,400	
Glazed Ceramic Panel	3%	Now	\$4,200	LIFE	**	5	\$6,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Light, Area Affected : 5%</i>								
<i>Location : Over Door At West Facade</i>								
Metal Panel	10%			2044	**	5-10	\$29,800	
Metal Coiling Doors	10%	Now	\$24,100	2037	**	5	\$6,800	
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Entrance</i>								
<i>Explanation : Metal Coiling Door Is Constantly Being Repaired</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$7,100	
Parapets								
Cast in Place Concrete	30%	2-4	\$1,700	LIFE	**	5	\$14,300	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Under Section Of Coping At Southwest Corner</i>								
<i>Explanation : Missing Through Wall Flashing</i>								
Masonry: Brick	60%	Now	\$7,800	LIFE	**	5	\$2,800	
<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 : Interior Face At Flashing</i>								
Metal Security Bars	10%			2052	**			
Roof								
Built-Up (BUR)	35%	Now	\$5,500	2029	**			
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Metal Panel	65%			2037	**	10	\$84,200	
Interior								
Floors								
Cast in Place Concrete	90%			LIFE	**	5	\$97,400	
Ceramic Tile	3%			2033	**	5	\$1,500	
Vinyl Tile	7%			2029	**	3	\$1,700	
Interior Walls								
Ceramic Tile	3%			2033	**	5	\$600	
Concrete Masonry Unit	57%			LIFE	**	5	\$4,600	
Glass: Single Pane	5%			LIFE	**	5	\$800	
Gypsum Board	10%			LIFE	**	5	\$1,200	
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%			2037	**	5	\$2,500	
Exposed Struc: Steel	85%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$6,200	

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WEBSTER AVENUE YARD STAGING GARAGE & 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>Under 600 Volts</b>								
Service Equipment								
Fused Disc Sw	100%			2044	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : (2) Service Protector Rated At 600 Amps And 400 Amps</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2044	**	5	\$1,000	
Raceway								
Conduit	100%			2044	**	1		
Panelboards								
Molded Case Bkrs	100%			2040	**	5	\$1,000	
Wiring								
Thermoplastic	100%			2044	**	1		
Motor Controllers								
Locally Mounted	100%			2037	**	5	\$200	
<b>Ground</b>								
Grounding Devices								
Generic	100%			LIFE	**	5	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Water Room</i>								
<i>Explanation : Connected To Main Water Pipe</i>								
<b>Lighting</b>								
Interior Lighting								
Fluorescent	25%			2029	**	10	\$7,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Offices</i>								
<i>Explanation : T-8 Lamps</i>								
HID	75%			2029	**	10	\$800	
Egress Lighting								
Exit, Service	50%			2029	**	1		
Exit, Battery	50%			2029	**	10	\$1,100	
Exterior Lighting								
HID	100%			2024	\$135,900	10	\$100	
<b>Alarm</b>								
Security System								
No Component	85%							
Generic	15%			2029	**	1	\$2,100	
Fire/Smoke Detection								
No Component	85%							
Generic	15%			2029	**	1-3	\$3,500	

<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

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

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

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

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

**Asset # : 13606**

<b>Mechanical</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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	30%			2050	**	1		
Natural Gas	70%			2050	**	1		
<b>Conversion Equipment</b>								
Furnace	80%			2029	**	1	\$13,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof - Included In A C System</i>								
<i>Explanation : 3 Units</i>								
Furnace	10%			2029	**	1	\$1,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In The Garage Area</i>								
<i>Explanation : 4 Independent Units</i>								
Radiant Heater	10%			2029	**	2	\$1,500	
<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%			2046	**	1		
<b>Conversion Equipment</b>								
Ext Pkg Unit - Heating/Cooling	30%	Now	\$6,400	2029	**	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 : A C Units On Roof</i>								
No Component	70%							
<b>Terminal Devices</b>								
Air Handler/Cool/Ht	10%	Now	\$200	2029	**	1	\$1,800	
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Control System</i>								
No Component	90%							
<b>Heat Rejection</b>								
Air Condenser Unit	10%			2029	**	2	\$2,300	
No Component	90%							
<b>Ventilation</b>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$18,400	
<b>Exhaust Fans</b>								
Interior	70%			2029	**	2	\$700	
Roof	30%			2029	**	2	\$300	
<b>Plumbing</b>								
H/C Water Piping								
Brass/Copper	100%			2050	**	1		
<b>Water Heater</b>								
Gas Fired	100%			2022	\$7,500	2	\$500	

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

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

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

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

**Asset # : 13606**

<b>Mechanical</b>	<b>Current Repair</b>			<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail Date (Years)</b>	<b>Estimated Cost</b>	<b>Year FY</b>	<b>Estimated Cost</b>	<b>Cycle (Yrs)</b>	<b>Estimated Cost</b>	
<b>Plumbing</b>								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
<b>Fire Suppression</b>								
Sprinkler								
Generic	100%			2044	* *	1-2	\$9,300	
Chemical System								
No Component	90%							
Generic	10%			2022	\$2,600	1-3	\$5,100	

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 25-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 224501C

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$766,200	\$258,700
<b>Total</b>	<b>\$766,200</b>	<b>\$258,700</b>
Importance Code A	\$654,300	\$91,500
Importance Code B	\$111,900	\$91,500
Importance Code C		\$75,800
<b>Total</b>	<b>\$766,200</b>	<b>\$258,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$64,600	\$2,400	\$18,600	\$2,500
<b>Total</b>	<b>\$64,600</b>	<b>\$2,400</b>	<b>\$18,600</b>	<b>\$2,500</b>
Importance Code A	\$27,900		\$9,200	
Importance Code B	\$26,900		\$9,500	
Importance Code C	\$9,700	\$2,400		\$2,500
<b>Total</b>	<b>\$64,600</b>	<b>\$2,400</b>	<b>\$18,600</b>	<b>\$2,500</b>



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



**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+	\$5,300	LIFE			**	
	<i>Cracks, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random</i>							
Backwall								
Concrete	100%			LIFE			**	
	<i>Cracks, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random</i>							
	<i>Rust Stains, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random</i>							
Brngs,Ancr Blts,Pads								
Steel	50%			LIFE			**	
Steel	50%	2-4	\$205,000	LIFE			**	
	<i>Corrosion, Extent : Severe, Area Affected : 40%</i>							
	<i>Location : Random</i>							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	70%			LIFE			**	
Generic	30%	2-4	\$25,400	LIFE			**	
	<i>Leakage, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random</i>							
	<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random</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+	\$111,900	LIFE			**	
	<i>Cracks, Extent : Severe, Area Affected : 30%</i>							
	<i>Location : Random</i>							
	<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random</i>							
	<i>Spalling, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random</i>							
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random</i>							
	<i>Explanation : Honeycombing</i>							
Wingwalls								
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**  
**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%							
Approaches								
Pavement								
Asphalt	100%			2024	\$75,800	4	\$1,400	
Concrete	90%			2032	**	4	\$3,600	
Concrete	10%	2-4	\$800	2032	**	4	\$3,600	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</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>								
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	95%			LIFE	**			
Concrete	5%	4+	\$600	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Settlement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
Piers								
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$8,500	
Stem,Solid Pier								
Concrete	100%			LIFE	**			
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Deck Elements								
Curbs								
Under Construction	100%							
Railings/Parapets								
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**  
**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	
<b>Deck Elements</b>								
<b>Sidewalks</b>								
Concrete	50%			2028	**	5	\$2,400	
Concrete	50%			2028	**	5	\$2,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Under Construction</i>								
<hr/>								
<b>Wearing Surface</b>								
Concrete	80%			2032	**	5	\$8,200	
Concrete	20%	4+	\$4,300	2032	**	5	\$4,100	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Concrete	70%			LIFE	**	5	\$5,100	
Concrete	30%	4+	\$22,600	LIFE	**	5	\$5,100	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random</i>								
<i>Explanation : Honeycombing</i>								
<hr/>								
<b>Primary Member</b>								
Steel	80%			LIFE	**	2-8	\$85,400	
Steel	20%	4+	\$449,300	LIFE	**	2-8	\$85,400	
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Loss of Section, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random</i>								
<i>Explanation : Paint Peeling</i>								
<hr/>								
<b>Secondary Member</b>								
Steel	90%			LIFE	**	2-8	\$71,500	
Steel	10%	4+	\$1,500	LIFE	**	2-8	\$71,500	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 25-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 224501D

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$5,795,100	\$586,500
<b>Total</b>	<b>\$5,795,100</b>	<b>\$586,500</b>
Importance Code A	\$5,310,800	\$233,600
Importance Code B	\$484,300	\$161,300
Importance Code C		\$191,600
<b>Total</b>	<b>\$5,795,100</b>	<b>\$586,500</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$75,500		\$39,600	\$5,900
<b>Total</b>	<b>\$75,500</b>		<b>\$39,600</b>	<b>\$5,900</b>
Importance Code A	\$8,200		\$23,400	\$1,600
Importance Code B	\$20,700		\$16,200	
Importance Code C	\$46,700			\$4,300
<b>Total</b>	<b>\$75,500</b>		<b>\$39,600</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**  
**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+	\$200	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Backwall</b>								
Concrete	90%			LIFE				**
Concrete	10%	4+	\$2,100	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Brngs,Ancr Blts,Pads</b>								
Not Accessible	100%							
<hr/>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Joint with Deck</b>								
Generic	100%	4+	\$16,100	LIFE				**
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random</i>								
<i>Recent Replace Evident, Extent : Light, Area Affected : 75%</i>								
<i>Location : South End</i>								
<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/>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE				**
<hr/>								
<b>Stem (breastwall)</b>								
Concrete	75%			LIFE				**
Concrete	25%	4+	\$429,600	LIFE				**
<i>Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Explanation : Honeycombing</i>								
<hr/>								
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE				**
<hr/>								
<b>Piles</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.

**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>Wingwalls</b>								
<b>Walls</b>								
Concrete	100%			LIFE		**		
Masonry	95%			LIFE		**		
Masonry	5%	4+	\$5,800	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	90%			2024	\$135,100	4	\$2,400	
Asphalt	10%	4+	\$300	2024	\$15,000	4	\$2,400	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Concrete	90%			2032		**	\$6,200	
Concrete	10%	4+	\$3,100	2032		**	\$6,200	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Curbs</b>								
Concrete w/ Steel Face	50%			LIFE		**		
Concrete w/ Steel Face	50%	4+	\$7,900	LIFE		**		
<i>Rust Stains, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Random</i>								
<i>Settlement, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Random</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Guide Railing</b>								
Concrete	100%			2032		**	\$1,400	
<hr/>								
<b>Pavement Base</b>								
Not Accessible	100%							
<hr/>								
<b>Sidewalks</b>								
Concrete	80%			LIFE		**		
Concrete	20%	4+	\$8,400	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Settlement, Extent : Light, Area Affected : 8%</i>								
<i>Location : West Approach, Both Sides</i>								
<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**  
**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
Piers								
Pier,Columns								
Concrete	100%	4+	\$54,700	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Steel	90%			LIFE	**	2-8	\$64,100	
Steel	10%	4+	\$4,700	LIFE	**	2-8	\$64,100	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Deck Elements								
Curbs								
Concrete w/ Steel Face	95%			LIFE	**			
Concrete w/ Steel Face	5%	4+	\$100	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</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</i>								
Railings/Parapets								
Concrete	100%			2032	**	4	\$1,900	
Sidewalks								
Concrete	100%			2028	**	5		
Wearing Surface								
Concrete	90%			2032	**	5	\$41,500	
Concrete	10%	4+	\$6,200	2032	**	5	\$20,700	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
Superstructure								
Deck,Structural								
Concrete	60%			LIFE	**	5	\$13,000	
Concrete	40%	4+	\$331,800	LIFE	**	5	\$13,000	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Delaminations, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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%	4+	\$4,979,000	LIFE	**	2-8	\$218,100	
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Loss of Section, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$182,700	

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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 20-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 224501E

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$550,000	\$862,400
<b>Total</b>	<b>\$550,000</b>	<b>\$862,400</b>
Importance Code A	\$498,400	\$120,900
Importance Code B	\$51,600	\$285,700
Importance Code C		\$455,800
<b>Total</b>	<b>\$550,000</b>	<b>\$862,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$96,100		\$8,700	\$4,200
<b>Total</b>	<b>\$96,100</b>		<b>\$8,700</b>	<b>\$4,200</b>
Importance Code A	\$9,200		\$5,600	
Importance Code B	\$51,000		\$3,200	
Importance Code C	\$35,900			\$4,200
<b>Total</b>	<b>\$96,100</b>		<b>\$8,700</b>	<b>\$4,200</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**  
**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>Abutments</b>								
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>							
<hr/>								
Backwall Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : Underneath Bridge Under Construction</i>							
<hr/>								
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>							
<hr/>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Joint with Deck</b>								
Generic	80%			LIFE			* *	
Generic	20%	4+	\$9,000	LIFE			* *	
	<i>Leakage, Extent : Severe, Area Affected : 40%</i>							
	<i>Location : At Begin Abutment</i>							
<hr/>								
Mat (scour & erosion) Earth	100%			LIFE			* *	
<hr/>								
<b>Stem (breastwall)</b>								
Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : Underneath Bridge Under Construction</i>							
<hr/>								
<b>Wingwalls</b>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE			* *	
<hr/>								
<b>Piles</b>								
Not Accessible	100%							
<hr/>								
<b>Walls</b>								
Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : Underneath Bridge Under Construction</i>							
<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**  
**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>Approaches</b>								
Pavement								
Asphalt	80%			2024	\$114,100	4	\$2,300	
Asphalt	20%	4+	\$5,700	2024	\$28,500	4	\$2,300	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random At East Approach</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : At East Approach</i>								
<i>Explanation : Raveling</i>								
Concrete	80%			2032	**	4	\$6,200	
Concrete	20%	2-4	\$6,200	2032	**	4	\$6,200	
<i>Cracks, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Random At West Approach</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Near Joint At West Approach</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$3,900	LIFE	**			
<i>Rust Stains, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Random</i>								
<i>Settlement, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Near Joints At Both Approaches</i>								
<b>Pavement Base</b>								
Not Accessible	100%							
<b>Sidewalks</b>								
Concrete	70%			LIFE	**			
Concrete	30%	4+	\$8,300	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Settlement, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : At East Approach</i>								
<b>Piers</b>								
Cap Beam								
Steel	90%			LIFE	**	2-8	\$64,100	
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : West Pier</i>								
<i>Explanation : Paint System Failure</i>								
Steel	10%	4+	\$4,300	LIFE	**	2-8	\$64,100	
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<b>Pier, Columns</b>								
Steel	90%			LIFE	**	2-8	\$45,600	
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : West Pier</i>								
<i>Explanation : Paint System Failure</i>								
Steel	10%	4+	\$8,300	LIFE	**	2-8	\$45,600	
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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>Piers</b>								
Stem,Solid Pier								
Concrete	75%			LIFE			* *	
Concrete	25%	4+	\$33,700	LIFE			* *	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<hr/>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
<hr/>								
Footings								
Not Accessible	100%							
<hr/>								
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
<hr/>								
Pedestals								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Underneath Bridge Under Construction</i>								
<hr/>								
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	95%			LIFE			* *	
Concrete w/ Steel Face	5%	4+	\$900	LIFE			* *	
<i>Rust Stains, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Random</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<hr/>								
Sidewalks								
Under Construction	100%							
<hr/>								
Wearing Surface								
Concrete	75%			2026	\$234,900	5	\$21,000	
Concrete	25%	4+	\$15,700	2026	\$78,300	5	\$10,500	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Old Repair, Extent : Light, Area Affected : 10%</i>								
<i>Location : 4 Ft X 8 Ft Patch With Steel Plate On Eastern Side</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</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**  
**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	
Superstructure								
Deck, Structural								
Concrete	50%			LIFE	**	5	\$7,200	
Concrete	50%	2-4	\$444,900	LIFE	**	5	\$7,200	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Delaminations, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random With Exposed Reinforcement</i>								
Primary Member								
Concrete Encased Steel	60%			LIFE	**	5	\$32,800	
Concrete Encased Steel	40%	4+	\$53,600	LIFE	**	5	\$32,800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</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</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Secondary Member								
Concrete	75%			LIFE	**	5	\$127,000	
Concrete	25%	4+	\$51,600	LIFE	**	5	\$127,000	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 20-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 224501F

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure		\$196,200
<b>Total</b>		<b>\$196,200</b>
Importance Code C		\$196,200
<b>Total</b>		<b>\$196,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$113,900	\$6,700		\$1,200
<b>Total</b>	<b>\$113,900</b>	<b>\$6,700</b>		<b>\$1,200</b>
Importance Code A	\$7,900			
Importance Code B	\$9,000			
Importance Code C	\$97,000	\$6,700		\$1,200
<b>Total</b>	<b>\$113,900</b>	<b>\$6,700</b>		<b>\$1,200</b>



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

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

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

**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>Abutments</b>								
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>							
<hr/>								
Backwall Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : Underneath Bridge Under Construction</i>							
<hr/>								
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>							
<hr/>								
Footings Not Accessible	100%							
<hr/>								
Joint with Deck								
Generic	80%			LIFE			**	
Generic	20%	4+	\$9,000	LIFE			**	
	<i>Misaligned/Bulging, Extent : Light, Area Affected : 10%</i>							
	<i>Location : At West Abutment</i>							
<hr/>								
Mat (scour & erosion) Earth	100%			LIFE			**	
<hr/>								
Stem (breastwall) Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : Underneath Bridge Under Construction</i>							
<hr/>								
<b>Wingwalls</b>								
Footings Not Accessible	100%							
<hr/>								
Mat (scour & erosion) Earth	100%			LIFE			**	
<hr/>								
Piles Not Accessible	100%							
<hr/>								
Walls Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : Underneath Bridge Under Construction</i>							
<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**  
**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>Approaches</b>								
Pavement								
Asphalt	80%			2024	\$113,500	4	\$2,300	
Asphalt	20%	2-4	\$2,800	2021	\$28,400	4	\$2,300	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random At East Approach</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random At East Approach</i>								
Concrete	95%			2032	**	4	\$100	
Concrete	5%	4+		2032	**	4	\$100	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random At West Approach</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	80%	4+	\$6,300	LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random At West Approach</i>								
Concrete w/ Steel Face	20%	2-4	\$1,600	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Spalled And Missing Concrete Behind Steel Curb Face At West Approach</i>								
<b>Embankment</b>								
Earth	80%			LIFE	**			
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>Sidewalks</b>								
Concrete	50%			LIFE	**			
Concrete	50%	2-4	\$26,500	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random</i>								
<i>Settlement, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random</i>								
<b>Piers</b>								
Cap Beam								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Underneath Bridge Under Construction</i>								
<b>Pier,Columns</b>								
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 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>Piers</b>								
Stem,Solid Pier 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%							
Mat (scour & erosion) Earth	100%			LIFE			* *	
<b>Pedestals</b>								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Underneath Bridge Under Construction</i>						
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE			* *	
<b>Gratings</b>								
Steel	100%			LIFE			* *	
<b>Railings/Parapets</b>								
Concrete	100%			2032			* * 4	
Steel	100%			LIFE			* * 2-8	
<b>Sidewalks</b>								
Concrete	90%			2028			* * 5	\$13,400
Concrete	10%	4+	\$8,100	2028			* * 5	\$6,700
		<i>Cracks, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Random</i>						
<b>Wearing Surface</b>								
Concrete	80%			2032			* * 5	\$54,300
Concrete	20%	4+	\$32,400	2032			* * 5	\$27,200
		<i>Cracks, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Transverse Crack</i>						
<b>Superstructure</b>								
<b>Deck,Structural</b>								
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 36 ST/AMTRAK 30 ST. BRANCH**

**Asset # : 2937**

Bridge Structure	Current Repair		Future Replacement		Maintenance			
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%

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

*Location :*

*Explanation : Underneath Bridge Under Construction*

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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.*

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 25-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 224501B

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$1,142,600	\$1,078,700
<b>Total</b>	<b>\$1,142,600</b>	<b>\$1,078,700</b>
Importance Code A	\$786,100	\$362,900
Importance Code B	\$356,600	\$409,800
Importance Code C		\$306,000
<b>Total</b>	<b>\$1,142,600</b>	<b>\$1,078,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$176,300	\$9,800	\$74,100	\$7,000
<b>Total</b>	<b>\$176,300</b>	<b>\$9,800</b>	<b>\$74,100</b>	<b>\$7,000</b>
Importance Code A	\$89,100		\$33,000	\$5,000
Importance Code B	\$9,100		\$41,100	
Importance Code C	\$78,200	\$9,800		\$2,000
<b>Total</b>	<b>\$176,300</b>	<b>\$9,800</b>	<b>\$74,100</b>	<b>\$7,000</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**  
**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>								
Bridge Seat&pedestals								
Concrete	80%			LIFE				**
Concrete	20%	4+	\$3,000	LIFE				**
<i>Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Backwall</b>								
Concrete	100%	4+	\$13,100	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Face Of Back Wall</i>								
<i>Efflorescence, Extent : Light, Area Affected : 2%</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>								
<hr/>								
<b>Brngs,Ancr Blts,Pads</b>								
Steel	70%			LIFE				**
Steel	30%	0-2	\$24,000	LIFE				**
<i>Corrosion, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Random</i>								
<i>Rust Stains, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Joint with Deck</b>								
Generic	40%			LIFE				**
Generic	60%	Now	\$115,700	LIFE				**
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random</i>								
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Steel Member Of The Joint</i>								
<i>Leakage, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 70%</i>								
<i>Location : Various</i>								
<i>Explanation : Construction Operations On-going</i>								
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE				**
<hr/>								
<b>Pedestals</b>								
Concrete	80%			LIFE				**
Concrete	20%	4+	\$30,100	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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+	\$77,200	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Delaminations, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</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%			LIFE			**	
<b>Approaches</b>								
Pavement								
Asphalt	85%			2024	\$213,700	4	\$4,000	
Asphalt	15%	2-4	\$3,800	2024	\$37,700	4	\$4,000	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Concrete	100%			2038		4	\$9,200	**
Curbs								
Concrete w/ Steel Face	95%			LIFE			**	
Concrete w/ Steel Face	5%	4+	\$100	LIFE			**	
<i>Rust Stains, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Guide Railing								
Concrete	100%			2032		4	\$1,400	**
<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 Ramp</i>								
Steel	95%			LIFE		2-8	\$1,500	**
Steel	5%	Now	\$800	LIFE		2-8	\$1,500	**
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Side Of Ramp - 4th Post From End Of Abutment</i>								
<i>Explanation : Steel Fence Is On The North Side Of The Ramp, 4th Post From End Of Abutment Is Broken</i>								
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**  
**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	
Approaches								
Sidewalks								
Concrete	80%			LIFE	**			
Concrete	20%	2-4	\$5,300	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Southwest Sidewalk</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Southwest Sidewalk</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
Piers								
Pier,Columns								
Concrete Encased Steel	85%			LIFE	**	5	\$900	
Concrete Encased Steel	15%	4+	\$300	LIFE	**	5	\$900	
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : In Concrete Encasement In Bottom Of Column</i>								
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Concrete Encasement At Bottom Of Column</i>								
Steel	90%			LIFE	**	2-8	\$119,700	
Steel	10%	4+	\$43,500	LIFE	**	2-8	\$119,700	
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location :</i>								
<i>Explanation : Column Encasement - Concrete - Is Damaged At 1 Column</i>								
Brngs,Ancr Blts,Pads								
Steel	50%			LIFE	**	2-8	\$1,800	
Steel	50%	2-4	\$133,400	LIFE	**	2-8	\$1,800	
<i>Corrosion, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random</i>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Steel	80%			LIFE	**			
Steel	20%	4+	\$8,700	LIFE	**			
<i>Rust Stains, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
Deck Elements								
Curbs								
Concrete w/ Steel Face	90%			LIFE	**			
Concrete w/ Steel Face	10%	Now	\$23,500	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Random</i>								
Railings/Parapets								
Concrete	100%			2032	**	4	\$8,500	

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

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

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

**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>Deck Elements</b>								
<b>Sidewalks</b>								
Concrete	95%			2028	**	5	\$13,400	
Concrete	5%	4+	\$2,000	2028	**	5	\$6,700	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Approximately 2 Square Feet On North Side</i>								
<b>Wearing Surface</b>								
Concrete	95%			2032	**	5	\$54,600	
Concrete	5%	4+	\$2,000	2032	**	5	\$27,300	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</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 : 5%</i>								
<i>Location : Random</i>								
<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+	\$7,600	LIFE	**	5	\$18,200	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Delaminations, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random</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>								
<b>Joints</b>								
Generic	50%			LIFE	**			
Generic	30%	2-4	\$13,700	LIFE	**			
<i>Leakage, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Damaged Armor Joint</i>								
Generic	20%	Now	\$11,000	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 60%</i>								
<i>Location : At End Bridge</i>								
<b>Primary Member</b>								
Steel	85%			LIFE	**	2-8	\$305,000	
Steel	15%	2-4	\$652,700	LIFE	**	2-8	\$305,000	
<i>Corrosion, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Random</i>								
<i>Loss of Section, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								

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

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

<b>Bridge Structure</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>
Superstructure								
Secondary Member								
Steel	80%			LIFE	**	2-8	\$255,500	
Steel	20%	4+	\$120,100	LIFE	**	2-8	\$255,500	
			<i>Rust Stains, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Random</i>					

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

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

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



Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 18-Dec-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2245010

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$921,100	\$884,200
<b>Total</b>	<b>\$921,100</b>	<b>\$884,200</b>
Importance Code B	\$74,400	
Importance Code C	\$846,600	\$884,200
<b>Total</b>	<b>\$921,100</b>	<b>\$884,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$139,500		\$16,700	
<b>Total</b>	<b>\$139,500</b>		<b>\$16,700</b>	
Importance Code A	\$68,800			
Importance Code C	\$70,700		\$16,700	
<b>Total</b>	<b>\$139,500</b>		<b>\$16,700</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 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	50%			LIFE			**	
Generic	50%	0-2	\$74,400	LIFE			**	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random Locations</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								
Concrete	80%			LIFE			**	
Concrete	20%	2-4	\$42,300	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
<i>Joints Missing, Extent : Light, Area Affected : 10%</i>								
<i>Location : Scattered Throughout</i>								
<b>Approaches</b>								
Pavement								
Asphalt	100%			2025	\$156,500	4	\$3,300	
Concrete	80%			2027		**	\$33,400	
Concrete	20%	2-4	\$19,500	2027		**	\$33,400	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Scattered Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random Locations</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE			**	
<i>Rust Stains, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random 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**  
**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>Approaches</b>								
Guide Railing								
Concrete	80%			2033	**	4	\$8,600	
Concrete	20%	4+	\$5,100	2033	**	4	\$5,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
<hr/>								
Pavement Base								
Not Accessible	100%							
<hr/>								
Sidewalks								
Concrete	80%			LIFE	**			
Concrete	20%	4+	\$15,500	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</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)								
Earth	100%			LIFE	**			
<hr/>								
Pedestals								
Not Accessible	100%							
<hr/>								
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	98%			LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 100%</i>								
<i>Location : Random Locations</i>								
<hr/>								
Concrete w/ Steel Face	2%	Now	\$17,800	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Random Locations</i>								
<i>Explanation : Missing / Separated Or Damaged Steel Plate</i>								
<hr/>								
Railings/Parapets								
Concrete	90%			2033	**	4	\$39,500	
Concrete	10%	4+	\$29,900	2033	**	4	\$26,300	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Between 33th And 34th Street</i>								
<i>Explanation : Area Under Construction</i>								
<hr/>								
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**  
**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	
Deck Elements								
Sidewalks								
Concrete	80%			2029	**	5	\$84,000	
Concrete	20%	4+	\$23,400	2029	**	5	\$42,000	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
Wearing Surface								
Concrete	95%			2033	**	5	\$643,700	
Concrete	5%	0-2	\$11,100	2033	**	5	\$321,900	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
Scupper								
Cast Iron	40%			LIFE	**			
Cast Iron	60%	0-2	\$51,800	LIFE	**			
<i>Drains Clogged, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Scattered Throughout</i>								
Superstructure								
Deck, Structural								
Not Accessible	100%							
Joints								
Generic	60%	4+	\$233,200	LIFE	**			
<i>Joints Missing, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Scattered Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Scattered Throughout</i>								
Generic	40%	0-2	\$155,500	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : 125TH ST. VIADUCT BRIDGE RIVERSIDE DR/W125TH ST.& 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** : 08-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2246660

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$2,000,500	\$5,006,700
<b>Total</b>	<b>\$2,000,500</b>	<b>\$5,006,700</b>
Importance Code A	\$1,141,500	\$1,723,700
Importance Code B	\$507,100	\$2,152,300
Importance Code C	\$352,000	\$1,130,700
<b>Total</b>	<b>\$2,000,500</b>	<b>\$5,006,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$143,200	\$15,400	\$367,200	
<b>Total</b>	<b>\$143,200</b>	<b>\$15,400</b>	<b>\$367,200</b>	
Importance Code A	\$79,700		\$151,400	
Importance Code B	\$13,200		\$215,900	
Importance Code C	\$50,300	\$15,400		
<b>Total</b>	<b>\$143,200</b>	<b>\$15,400</b>	<b>\$367,200</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**  
**125TH ST. VIADUCT BRIDGE RIVERSIDE DR/W125TH ST.& 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	
Abutments								
Bridge Seat&pedestals								
Granite	100%	4+	\$19,300	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+	\$20,800	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+	\$13,200	LIFE			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout At End Abutment</i>								
<i>Explanation : Cracks In Header Concrete</i>								
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Pedestals								
Concrete	100%			LIFE			* *	
Stem (breastwall)								
Granite	92%			LIFE			* *	
Granite	8%	4+	\$249,700	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : At End Abutment</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : At Beginning Abutment</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : At Beginning And End Abutments</i>								
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : At End Abutment</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/W125TH ST.& 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+	\$35,200	LIFE			**	
<i>Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At End Abutment</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : At Beginning And End Abutments</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : At End Abutment</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : At End Abutment</i>								
<i>Explanation : Missing Mortar</i>								
Approaches								
Pavement								
Asphalt	100%	4+	\$10,000	2026	\$500,600	4	\$8,100	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : At End Of Abutment</i>								
Concrete	50%			2034			\$46,300	**
Concrete	50%	Now	\$19,500	2034			\$30,800	**
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : At End Abutment</i>								
<i>Settlement, Extent : Light, Area Affected : 2%</i>								
<i>Location : At End Abutment</i>								
<i>Spalling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : At End Abutment</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE			**	
<i>Rust Stains, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At End Abutment</i>								
Embankment								
Earth	100%			LIFE			**	
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Railings/Parapets								
Concrete	100%	4+	\$6,800	2034			**	
<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%	0-2	\$25,600	LIFE			**	
<i>Vegetation Growth, Extent : Severe, 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/W125TH ST.& 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
Approaches								
Sidewalks								
Asphalt	100%	4+	\$48,200	2026	\$240,900	4	\$8,100	
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Northwest Corner</i>								
<i>Settlement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Northwest Corner</i>								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Steel	90%			LIFE	**	2-8	\$74,800	
Steel	10%	4+	\$20,200	LIFE	**	2-8	\$74,800	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Extrados Flanges Of The Bottom Member, And Throughout Latticing</i>								
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$1,969,700	
<i>Rust Stains, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Stem,Solid Pier								
Granite	90%			LIFE	**			
Granite	10%	4+	\$257,400	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, Brick Pavers At Pier 1</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 : 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/W125TH ST.& 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	
Deck Elements								
Railings/Parapets								
Masonry	90%			2034	**	5	\$1,600	
Masonry	10%	4+	\$7,700	2034	**	5	\$800	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Begin Abutment</i>								
<i>Explanation : Missing Mortar Joint And Cracking</i>								
Steel	100%			LIFE	**	2-8	\$76,900	
<i>Rust Stains, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Sidewalks								
Concrete	90%			2030	**	5	\$72,300	
Concrete	10%	4+	\$43,600	2030	**	5	\$36,200	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wearing Surface								
Asphalt	100%			2026		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+	\$188,900	2034	**	5	\$316,900	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Scupper								
Cast Iron	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Total Of 16 Scuppers</i>								
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$163,300	
<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>								
Joints								
Steel	100%			LIFE	**			
Primary Member								
Concrete	70%			LIFE	**	5	\$30,500	
Concrete	30%	0-2	\$1,141,500	LIFE	**	5	\$30,500	
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Span 1</i>								
<i>Explanation : Hollow Area Of Brick Veneers; Missing Elements And Covered With Steel Mesh</i>								
Steel	100%			LIFE	**	2-8	\$2,632,600	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$2,297,200	

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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 11-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2247270

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$202,400	\$232,200
<b>Total</b>	<b>\$202,400</b>	<b>\$232,200</b>
Importance Code B		\$53,500
Importance Code C	\$202,400	\$178,600
<b>Total</b>	<b>\$202,400</b>	<b>\$232,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$86,000	\$4,200	\$40,300	\$5,500
<b>Total</b>	<b>\$86,000</b>	<b>\$4,200</b>	<b>\$40,300</b>	<b>\$5,500</b>
Importance Code A	\$14,000	\$4,200	\$400	
Importance Code B	\$21,500		\$5,400	
Importance Code C	\$50,500		\$34,600	\$5,500
<b>Total</b>	<b>\$86,000</b>	<b>\$4,200</b>	<b>\$40,300</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**  
**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>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%	4+	\$21,500	LIFE			* *	
<i>Missing/Damaged Seal, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Concrete	100%			LIFE			* *	
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Piles								
Not Accessible	100%							
Walls								
Masonry	50%	4+	\$16,700	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>								
<b>Approaches</b>								
Pavement								
Asphalt	100%	4+	\$8,900	2026	\$178,600	4	\$2,900	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East And West End</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 15%</i>								
<i>Location : East Side</i>								
Concrete	100%	4+	\$24,900	2034			\$19,700	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Along Joint Header</i>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Approaches								
Curbs								
Concrete w/ Steel Face	100%	4+	\$2,400	LIFE		**		
<i>Rust Stains, Extent : Light, Area Affected : 20%</i>								
<i>Location : Both Approaches</i>								
Embankment								
Earth	100%			LIFE		**		
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Sidewalks								
Concrete	100%			LIFE		**		
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Piers								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Steel	100%			LIFE		**	2-8	\$154,100
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								
Curbs								
Concrete w/ Steel Face	100%	4+	\$4,600	LIFE		**		
<i>Rust Stains, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Railings/Parapets								
Concrete	100%			2034		**	4	\$12,500
Steel	100%	4+	\$7,000	LIFE		**	2-8	\$11,500
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Sidewalks								
Concrete	100%			2030		**	5	\$11,100
Wearing Surface								
Concrete	100%			2034		**	5	\$69,100
Superstructure								
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**  
**21ST STREET BRIDGE**  
**Asset # : 13578**

Bridge Structure	Current Repair		Future Replacement		Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Joints								
Steel	100%	4+	\$202,400	LIFE			* *	
	<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>							
	<i>Location : 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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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-Aug-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2230657

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$1,493,900	\$400,600
<b>Total</b>	<b>\$1,493,900</b>	<b>\$400,600</b>
Importance Code A	\$1,127,400	\$94,000
Importance Code B	\$210,000	\$94,000
Importance Code C	\$156,400	\$212,600
<b>Total</b>	<b>\$1,493,900</b>	<b>\$400,600</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$35,400		\$25,200	
<b>Total</b>	<b>\$35,400</b>		<b>\$25,200</b>	
Importance Code A	\$2,700		\$9,600	
Importance Code B	\$22,700		\$9,400	
Importance Code C	\$10,100		\$6,200	
<b>Total</b>	<b>\$35,400</b>		<b>\$25,200</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								
Generic	100%			LIFE			* *	
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Concrete	100%	4+	\$22,700	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random</i>					
			<i>Rust Stains, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random</i>					
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Piles								
Not Accessible	100%							
Walls								
Concrete	90%			LIFE			* *	
Concrete	10%	4+	\$156,400	LIFE			* *	
			<i>Efflorescence, Extent : Light, Area Affected : 8%</i>					
			<i>Location : Random</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random</i>					
<b>Approaches</b>								
Pavement								
Asphalt	100%	4+	\$2,300	2024	\$115,500	4	\$2,700	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random</i>					
			<i>Settlement, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random</i>					

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Approaches								
Curbs								
Concrete	90%			LIFE			**	
Concrete	10%	4+	\$1,600	LIFE			**	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Settlement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 8%</i>								
<i>Location : Random</i>								
Concrete w/ Steel Face	100%			LIFE			**	
Embankment								
Not Accessible	100%							
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%	4+	\$2,000	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 4%</i>								
<i>Location : Random</i>								
Piers								
Stem,Solid Pier								
Concrete	100%	4+	\$210,000	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 4%</i>								
<i>Location : Random</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</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%	4+	\$1,100	LIFE			**	
<i>Rust Stains, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
Railings/Parapets								
Steel	100%			LIFE		2-8	\$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**  
**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	
Deck Elements								
Sidewalks								
Concrete	100%	4+	\$5,700	2028	**	5	\$3,400	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random</i>								
Wearing Surface								
Asphalt	100%			2024	\$97,000	5	\$12,400	
<i>Cracks, Extent : Light, Area Affected : 8%</i>								
<i>Location : Random</i>								
<i>Settlement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
Superstructure								
Deck,Structural								
Concrete	100%	4+	\$808,900	LIFE	**	5	\$10,500	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : As Per Nysdot Inspection Report</i>								
Primary Member								
Steel	100%	4+	\$318,500	LIFE	**	2-8	\$175,600	
<i>Broken,Missing Pave, Extent : Light, Area Affected : 5%</i>								
<i>Location : A Broken Intermittent Weld At Stringer S8 At Span 1</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Stringers S2, S3 &amp; S5</i>								
<i>Explanation : Impact Damage As Per Nysdot Inspection Report</i>								
Secondary Member								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : 32ND STREET BRIDGE 32ND ST./278I (B.O.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** : 03-Jan-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2230640

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$133,000	\$152,300
<b>Total</b>	<b>\$133,000</b>	<b>\$152,300</b>
Importance Code B	\$55,400	
Importance Code C	\$77,600	\$152,300
<b>Total</b>	<b>\$133,000</b>	<b>\$152,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$57,000		\$300	
<b>Total</b>	<b>\$57,000</b>		<b>\$300</b>	
Importance Code A	\$10,800		\$300	
Importance Code B	\$20,900			
Importance Code C	\$25,300			
<b>Total</b>	<b>\$57,000</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**  
**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	
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+	\$13,500	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+	\$55,400	LIFE		**		
<i>Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random Locations</i>								
<i>Efflorescence, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations</i>								
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Concrete	100%	4+	\$77,600	LIFE		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Begin Abutment West Wingwall</i>								
<i>Explanation : Exposed Rebar</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+	\$7,600	2025	\$152,300	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+	\$4,700	2033	**	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 : 5%</i>								
<i>Location : Throughout</i>								
Embankment								
Generic	100%			LIFE	**			
Railings/Parapets								
Steel	100%	4+	\$10,800	LIFE	**			
<i>Damaged Railing, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At End Approach ( West Side)</i>								
Sidewalks								
Concrete	100%	4+	\$3,200	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
Stem,Solid Pier								
Concrete	5%	4+	\$7,400	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Span 2 Side</i>								
Concrete	95%			LIFE	**			
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**	2-8	\$3,700	
Footings								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Mono Deck Surface								
Concrete	100%	4+	\$2,700	2044	**	5	\$17,900	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random 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**  
**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								
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$3,600	
Sidewalks								
Concrete	100%	4+	\$7,100	2029	**	5	\$1,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 19-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2243320

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$266,800	\$706,000
<b>Total</b>	<b>\$266,800</b>	<b>\$706,000</b>
Importance Code A		\$170,500
Importance Code B	\$82,100	
Importance Code C	\$184,700	\$535,500
<b>Total</b>	<b>\$266,800</b>	<b>\$706,000</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$167,500	\$15,800	\$17,700	
<b>Total</b>	<b>\$167,500</b>	<b>\$15,800</b>	<b>\$17,700</b>	
Importance Code A	\$82,900		\$17,700	
Importance Code B				
Importance Code C	\$84,600	\$15,800		
<b>Total</b>	<b>\$167,500</b>	<b>\$15,800</b>	<b>\$17,700</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**  
**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	
<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%	Now	\$82,100	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 : Throughout</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>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%	4+	\$26,800	2026	\$535,500	4	\$7,400	
	<i>Cracks, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Throughout</i>							
Concrete	80%			2034			\$47,400	**
Concrete	20%	0-2	\$184,700	2040			\$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>Recent Repair Evident, Extent : Light, Area Affected : 5%</i>							
	<i>Location : South Approach</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	\$3,300	LIFE	**			
<i>Broken, Missing Pave, Extent : Light, Area Affected : 20%</i>								
<i>Location : Northwest Corner</i>								
<i>Rust Stains, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 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%			2034	**			
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
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	\$10,600	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>								
Concrete Encased Steel	100%			LIFE	**	5	\$4,400	
<hr/>								
<b>Pier, Columns</b>								
Concrete Encased Steel	100%			LIFE	**	5	\$900	
<hr/>								
<b>Stem, Solid Pier</b>								
Concrete	100%			LIFE	**			
<hr/>								
<b>Brngs, Anchr Blts, Pads</b>								
Steel	100%	4+	\$32,400	LIFE	**	2-8	\$4,800	
<i>Corrosion, Extent : Light, Area Affected : 2%</i>								
<i>Location : At Pier 3</i>								
<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+	\$23,400	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%	4+	\$16,700	2034		**	4	\$7,300
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Steel	100%	4+	\$7,100	LIFE		**	2-8	\$10,100
<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+	\$16,300	2030		**	5	\$5,800
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<hr/>								
<b>Wearing Surface</b>								
Concrete	100%	4+	\$22,400	2034		**	5	\$32,400
<i>Cracks, 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%	2-4	\$8,500	LIFE		**		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Middle Of Span</i>								
<i>Spalling, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Concrete Header</i>								
<hr/>								
<b>Primary Member</b>								
Steel	100%			LIFE		**	2-8	\$318,500
<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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : 49TH AVE. BRIDGE  
**Address** : 49TH AVE.  
**Borough** : QUEENS **Agency's Number** : N/A  
**Program / Asset #** : DOT0167.000 / 13575 **Yr Built/Renovated** :  
**Area Sq Ft** : 20,200 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 11-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2247290

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$1,167,700	\$1,974,100
<b>Total</b>	<b>\$1,167,700</b>	<b>\$1,974,100</b>
Importance Code A	\$593,000	\$444,300
Importance Code B	\$422,500	\$348,700
Importance Code C	\$152,200	\$1,181,100
<b>Total</b>	<b>\$1,167,700</b>	<b>\$1,974,100</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$68,600	\$5,100	\$75,600	\$6,800
<b>Total</b>	<b>\$68,600</b>	<b>\$5,100</b>	<b>\$75,600</b>	<b>\$6,800</b>
Importance Code A	\$6,600	\$5,100	\$40,600	
Importance Code B	\$20,000		\$35,000	
Importance Code C	\$42,000			\$6,800
<b>Total</b>	<b>\$68,600</b>	<b>\$5,100</b>	<b>\$75,600</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.

\*\* 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
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+	\$148,900	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 : Throughout</i>					
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Stem (breastwall)								
Concrete	90%			LIFE			* *	
Concrete	10%	4+	\$20,000	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Both Abutments</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Piles								
Not Accessible	100%							
Walls								
Concrete	85%			LIFE			* *	
Concrete	15%	4+	\$62,400	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Northwest Wingwall</i>					
Approaches								
Pavement								
Asphalt	100%	4+	\$22,000	2026	\$1,099,700	4	\$15,300	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					
			<i>Spalling, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Approximately 25 Feet From Bridge West End</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**  
**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>								
Embankment								
Earth	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Railings/Parapets								
Cast Stone	100%			LIFE	**			
			<i>Recent Replace Evident, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Begin Brick Wall</i>					
Steel	100%			LIFE	**			
<b>Sidewalks</b>								
Concrete	100%	4+	\$49,100	LIFE	**			
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random At Isolated Locations</i>					
			<i>Settlement, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Near The Beginning Of The Bridge</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
<b>Piers</b>								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Steel	20%	4+	\$90,200	LIFE	**	2-8	\$214,100	
			<i>Corrosion, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Localized Area</i>					
Steel	80%			LIFE	**	2-8	\$214,100	
Stem,Solid Pier								
Concrete	80%			LIFE	**			
Concrete	20%	4+	\$183,400	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>					
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
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**  
**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
Deck Elements								
Curbs								
Concrete w/ Steel Face	90%			LIFE	**			
Concrete w/ Steel Face	10%	4+	\$6,600	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : At East Joint</i>								
<i>Rust Stains, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : At East Joint</i>								
Railings/Parapets								
Concrete	100%			2034	**	4	\$15,400	
Steel	100%			LIFE	**	2-8	\$14,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entire Length</i>								
<i>Explanation : Chain Link Fence</i>								
Sidewalks								
Concrete	80%			2030	**	5	\$13,600	
Concrete	20%	4+	\$9,500	2030	**	5	\$6,800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : East And West Ends</i>								
Wearing Surface								
Concrete	90%			2034	**	5	\$81,400	
Concrete	10%	0-2	\$2,800	2034	**	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 : Over East Pier</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>								
Superstructure								
Deck,Structural								
Concrete	10%	4+	\$131,200	LIFE	**	5	\$22,200	
<i>Spalling, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Over East Pier</i>								
Concrete	90%			LIFE	**	5	\$22,200	
Joints								
Generic	100%	0-2	\$7,800	LIFE	**			
<i>Exposed Reinforcement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Beneath The Sidewalk Along The Joint</i>								
<i>Leakage, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : East Pier</i>								
<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations</i>								
<i>Rust Stains, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Pier 3</i>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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	\$373,400	
Steel	20%	4+	\$461,800	LIFE	**	2-8	\$373,400	
<i>Corrosion, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : On Girder Flanges Near East Pier</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$312,800	
<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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 19-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2243330

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$646,300	\$559,700
<b>Total</b>	<b>\$646,300</b>	<b>\$559,700</b>
Importance Code A	\$646,300	\$289,800
Importance Code C		\$269,900
<b>Total</b>	<b>\$646,300</b>	<b>\$559,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$105,800	\$900	\$19,600	
<b>Total</b>	<b>\$105,800</b>	<b>\$900</b>	<b>\$19,600</b>	
Importance Code A	\$46,000		\$19,600	
Importance Code C	\$59,700	\$900		
<b>Total</b>	<b>\$105,800</b>	<b>\$900</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**  
**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	
<b>Abutments</b>								
Bridge Seat&pedestals								
Concrete	100%			LIFE		**		
Backwall								
Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE		**		
Footings								
Not Accessible	100%							
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	100%			LIFE		**		
<b>Approaches</b>								
Pavement								
Asphalt	90%			2026	\$104,000	4	\$2,800	
Asphalt	10%	2-4	\$3,500	2026	\$11,600	4	\$1,900	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Both Approaches</i>								
Curbs								
Concrete w/ Steel Face	100%	4+	\$14,200	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		**		
Railings/Parapets								
Concrete	100%	4+	\$3,000	2034		**		
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
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**  
**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
Approaches								
Sidewalks								
Concrete	100%	4+	\$14,500	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 5%</i>								
<i>Location : East Approach</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Piers								
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	\$3,000	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Pedestals								
Concrete	100%			LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : East Exterior Column</i>								
<i>Explanation : Steel Rods Projecting Out Of Pedestal</i>								
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%	4+	\$2,900	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Rust Stains, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Railings/Parapets								
Concrete	100%	4+	\$25,900	2034			**	4
<i>Efflorescence, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout The West Side</i>								
Steel	100%			LIFE			**	2-8
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Steel Fence At Top Of Concrete Parapet</i>								

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

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

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

**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	
Deck Elements								
Sidewalks								
Concrete	100%	4+	\$34,000	2030	**	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>								
Wearing Surface								
Asphalt	100%	4+	\$7,700	2026	\$154,300	5	\$6,900	
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$21,400	
Joints								
Generic	100%			LIFE	**			
Primary Member								
Concrete Encased Steel	100%	4+	\$646,300	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	\$358,600	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bottom Flange Of Exterior Girder</i>								
<i>Explanation : Paint Peeling</i>								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : 86TH ST. BRIDGE  
**Address** : 86TH ST.  
**Borough** : BROOKLYN  
**Program / Asset #** : DOT0171.000 / 13579  
**Area Sq Ft** : 18,200  
**Date of Survey** : 18-Nov-2013  
**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$158,300	\$360,300
<b>Total</b>	<b>\$158,300</b>	<b>\$360,300</b>
Importance Code A		\$180,100
Importance Code B		\$180,100
Importance Code C	\$158,300	
<b>Total</b>	<b>\$158,300</b>	<b>\$360,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$65,800	\$2,000	\$36,100	
<b>Total</b>	<b>\$65,800</b>	<b>\$2,000</b>	<b>\$36,100</b>	
Importance Code A		\$2,000	\$18,100	
Importance Code B	\$28,000		\$18,100	
Importance Code C	\$37,800			
<b>Total</b>	<b>\$65,800</b>	<b>\$2,000</b>	<b>\$36,100</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	
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE			* *	
Backwall								
Concrete	25%	4+	\$25,000	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%			2045			* *	
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	45%	4+	\$28,000	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			* *	
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			* *	
			<i>Other Observation, Extent : Light, Area Affected : 80%</i>					
			<i>Location : Both Abutments</i>					
			<i>Explanation : Backwalls Partially Covered By Station Walls</i>					
Wingwalls								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	100%	4+	\$46,900	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Southeast And Southwest Wingwalls</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Southeast And Southwest Wingwalls</i>					
			<i>Other Observation, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Northeast And Northwest Wingwalls</i>					
			<i>Explanation : Wingwalls Covered By Station Walls</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**  
**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
Approaches								
Pavement								
Concrete	100%	4+	\$64,600	2034	**	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 : Northwest Approach</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Embankment								
Earth	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Sidewalks								
Concrete	100%			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+	\$5,400	2045	**	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>								
Railings/Parapets								
Concrete	100%			2034	**	4	\$5,900	
<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>								
Sidewalks								
Concrete	100%	4+	\$46,800	2030	**	5	\$6,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Along The North Side Of The Bridge</i>								
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$20,000	
<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>								
Joints								
Generic	100%	0-2	\$7,500	LIFE	**			
<i>Leakage, Extent : Light, Area Affected : 10%</i>								
<i>Location : Along The Joint Between A Station And Bridge Deck</i>								
Primary Member								
Steel	100%			LIFE	**	2-8	\$336,500	

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**  
**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								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$281,900	

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.

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : AMTRAK BRIDGE EAST 174TH ST/895IX  
**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** : 30-Oct-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2066720

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$905,400	\$1,197,200
<b>Total</b>	<b>\$905,400</b>	<b>\$1,197,200</b>
Importance Code A	\$301,000	\$559,000
Importance Code B	\$311,100	\$487,000
Importance Code C	\$293,200	\$151,300
<b>Total</b>	<b>\$905,400</b>	<b>\$1,197,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$112,100	\$3,300	\$96,400	\$15,300
<b>Total</b>	<b>\$112,100</b>	<b>\$3,300</b>	<b>\$96,400</b>	<b>\$15,300</b>
Importance Code A	\$34,200	\$2,800	\$47,500	
Importance Code B	\$23,300		\$48,800	
Importance Code C	\$54,700	\$500		\$15,300
<b>Total</b>	<b>\$112,100</b>	<b>\$3,300</b>	<b>\$96,400</b>	<b>\$15,300</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**  
**AMTRAK BRIDGE EAST 174TH ST/895IX**  
**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
Abutments								
Bridge Seat&pedestals								
Concrete	75%			LIFE			**	
Concrete	25%	4+	\$6,500	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random On Bridge Seat</i>								
Backwall								
Concrete	40%	4+	\$12,100	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : At Beginning Abutment</i>								
Concrete	60%			LIFE			**	
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE			**	
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$23,300	LIFE			**	
<i>Loose Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : At Beginning Abutment</i>								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Stem (breastwall)								
Concrete	100%			LIFE			**	
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Concrete	75%			LIFE			**	
Concrete	25%	4+	\$152,200	LIFE			**	
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations At End Abutment</i>								
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations At End Abutment</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations At End Abutment</i>								
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : End Abutment</i>								
<i>Explanation : Observations Are Based On 2012 N. Y. S. D. O. T. Biennial Report</i>								
Feature Crossed								
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>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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 EAST 174TH ST/895IX**  
**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	
Feature Crossed								
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Approaches								
Pavement								
Asphalt	80%			2026	\$55,600	4	\$1,400	
Asphalt	20%	4+	\$8,300	2026	\$13,900	4	\$1,000	
	<i>Cracks, Extent : Light, Area Affected : 50%</i>							
	<i>Location : Throughout</i>							
	<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : At End Approaches</i>							
	<i>Explanation : Rutting</i>							
Concrete	100%	4+	\$9,000	2034		4	\$15,400	
	<i>Cracks, Extent : Light, Area Affected : 5%</i>							
	<i>Location : East Approach</i>							
Curbs								
Concrete w/ Steel Face	100%			LIFE			* *	
	<i>Rust Stains, Extent : Light, Area Affected : 50%</i>							
	<i>Location : Both Abutments</i>							
Embankment								
Earth	100%			LIFE			* *	
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Railings/Parapets								
Concrete	100%			2034			* *	
Steel	100%			LIFE			* *	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Steel Railing On Both Approaches</i>							
	<i>Explanation : Steel Wall Panel 230 Ft, And Chain Link Fence With 4-steel Rails On East Approach</i>							
Sidewalks								
Concrete	100%	4+	\$3,600	LIFE			* *	
	<i>Cracks, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Throughout</i>							
Piers								
Cap Beam								
Concrete	100%	4+	\$20,900	LIFE			* *	
	<i>Cracks, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Throughout</i>							
	<i>Spalling, Extent : Moderate, Area Affected : 2%</i>							
	<i>Location : Throughout</i>							

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**AMTRAK BRIDGE EAST 174TH ST/895IX**  
**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
Piers								
Pier,Columns Concrete	100%	4+	\$141,100	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : 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 : Throughout</i>								
Steel	100%			LIFE	**	2-8	\$85,500	
Brngs,Ancr Blts,Pads								
Steel	50%			LIFE	**	2-8	\$5,900	
Steel	50%	2-4	\$200,800	LIFE	**	2-8	\$5,900	
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location :</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Span 5 Pier 5</i>								
<i>Explanation : Anchor Bolts Exposed</i>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	75%			LIFE	**			
Concrete	25%	2-4	\$170,000	LIFE	**			
<i>Cracks, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Pier 5 And 6, Temporary Shoring At Pier 5</i>								
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 100%</i>								
<i>Location : Pier 5 And 6</i>								
Guide Railing								
Steel	100%	4+	\$6,700	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>								
Median								
Concrete	100%			LIFE	**	5	\$16,800	
Railings/Parapets								
Concrete	100%			2034	**	4	\$8,400	
Steel	100%			LIFE	**	2-8	\$32,500	
<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**  
**AMTRAK BRIDGE EAST 174TH ST/895IX**  
**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%			2030	**	5	\$30,600	
Concrete	10%	4+	\$10,700	2030	**	5	\$15,300	
<i>Cracks, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Wearing Surface								
Concrete	100%	4+	\$141,100	2034	**	5	\$81,700	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 5%</i>								
<i>Location : Asphalt Patching Throughout</i>								
Scupper								
Cast Iron	100%			LIFE	**			
Superstructure								
Deck,Structural								
Concrete	85%			LIFE	**	5	\$50,800	
Concrete	15%	4+	\$100,200	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 : 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+	\$11,000	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Loose Elements, Extent : Moderate, Area Affected : 0%</i>								
<i>Location : At Beginning Abutment</i>								
Primary Member								
Steel	100%			LIFE	**	2-8	\$854,100	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$715,500	

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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 20-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241139

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$6,725,900	\$998,100
<b>Total</b>	<b>\$6,725,900</b>	<b>\$998,100</b>
Importance Code A	\$6,593,700	\$560,200
Importance Code B		\$280,100
Importance Code C	\$132,200	\$157,800
<b>Total</b>	<b>\$6,725,900</b>	<b>\$998,100</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$61,300	\$14,700	\$84,900	\$21,600
<b>Total</b>	<b>\$61,300</b>	<b>\$14,700</b>	<b>\$84,900</b>	<b>\$21,600</b>
Importance Code A	\$14,500		\$56,900	
Importance Code B	\$14,100		\$28,100	
Importance Code C	\$32,700	\$14,700		\$21,600
<b>Total</b>	<b>\$61,300</b>	<b>\$14,700</b>	<b>\$84,900</b>	<b>\$21,600</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+	\$14,100	LIFE		**		
<i>Misaligned/Bulging, Extent : Light, Area Affected : 30%</i>								
<i>Location : Joint Filler At East Abutment</i>								
Pedestals								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Wingwalls								
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Approaches								
Pavement								
Concrete	50%			2032		**	4	\$43,200
Concrete	50%	4+	\$31,600	2032		**	4	\$43,200
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Beginning Abutment Joint</i>								
Curbs								
Concrete	100%			LIFE		**		
Concrete w/ Steel Face	100%			LIFE		**		
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE		**		
Piers								
Stem,Solid Pier								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
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**  
**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
Piers								
Pedestals								
Not Accessible	100%							
Deck Elements								
Guide Railing								
Concrete	5%	2-4	\$14,500	2036		**		
			<i>Spalling, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Corner Spall With Exposed Rebar At Northwest Corner Of Barrier</i>					
Concrete	95%			2036		**		
			<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>					
Mono Deck Surface								
Concrete	100%			2043		**	5	\$150,400
Railings/Parapets								
Steel	100%			LIFE		**	2-8	\$18,700
			<i>Corrosion, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random</i>					
Sidewalks								
Concrete	100%			2028		**	5	\$29,400
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random On North Side</i>					
Wearing Surface								
Concrete	100%	4+	\$57,000	2032		**	5	\$82,600
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</i>					
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Scaling Of Wearing Surface</i>					
Superstructure								
Deck,Structural								
Not Accessible	100%							
Joints								
Generic	100%	4+	\$1,100	LIFE		**		
			<i>Misaligned/Bulging, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Joint Filler In Road And Sidewalk Over 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.

**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	
Superstructure								
Primary Member								
Steel	5%	4+	\$6,593,700	LIFE	* *	2-8	\$523,200	
<i>Corrosion, Extent : Light, Area Affected : 2%</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%			LIFE	* *	2-8	\$438,300	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Impact Damage To Top Lateral Cross Frames</i>								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : AVENUE H. BRIDGE AVENUE H./LIRR BAY RIDGE  
**Address** : OVER LIRR - BAY RIDGE LINE ALBANY AVE. & 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** : 08-Jan-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2243530

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$536,500	\$4,845,800
<b>Total</b>	<b>\$536,500</b>	<b>\$4,845,800</b>
Importance Code A	\$483,800	\$386,000
Importance Code C	\$52,700	\$4,459,800
<b>Total</b>	<b>\$536,500</b>	<b>\$4,845,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$63,600		\$35,800	
<b>Total</b>	<b>\$63,600</b>		<b>\$35,800</b>	
Importance Code A	\$200		\$35,800	
Importance Code B	\$11,800			
Importance Code C	\$51,600			
<b>Total</b>	<b>\$63,600</b>		<b>\$35,800</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**  
**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								
Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Fascia</i>								
<i>Explanation : Only Fascia Area Was Accessible</i>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	5%	4+	\$11,800	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								
Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Fascia</i>								
<i>Explanation : Only Fascia Area Was Accessible</i>								
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								
Asphalt	7%	2-4	\$31,200	2025	\$312,200	4	\$12,100	
<i>Cracks, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Both Approaches</i>								
Asphalt	93%			2025	\$4,147,600	4	\$18,100	
Concrete	100%	2-4	\$52,700	2033	**	4	\$175,600	
<i>Cracks, Extent : Moderate, Area Affected : 20%</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>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Approaches								
Curbs								
Concrete w/ Steel Face	100%	2-4	\$47,400	LIFE			**	
<i>Settlement, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Both Approaches</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North And South Sides</i>								
Embankment								
Earth	100%			LIFE			**	
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Sidewalks								
Concrete	100%	4+	\$11,500	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Piers								
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	\$14,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Fascia</i>								
<i>Explanation : Only Fascia Area Was Accessible</i>								
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 : Fascia</i>								
<i>Explanation : Only Fascia Area Was Accessible</i>								
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE			**	
Railings/Parapets								
Concrete	100%			2033	**	4	\$600	
Steel	100%			LIFE	**	2-8	\$9,100	
Sidewalks								
Concrete	100%	4+	\$2,900	2029	**	5	\$800	
<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**  
**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	
Superstructure								
Deck,Structural Concrete	100%	0-2	\$436,400	LIFE	**	5	\$38,600	
<i>Cracks, Extent : Severe, Area Affected : 40%</i> <i>Location : Random Locations Throughout</i> <i>Spalling, Extent : Moderate, Area Affected : 5%</i> <i>Location : Random Locations Throughout</i> <i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Underside</i> <i>Explanation : Underside Not Accessible</i>								
Primary Member								
Steel	100%			LIFE	**	2-8	\$648,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Fascia</i> <i>Explanation : Only Fascia Area Was Accessible</i>								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 20-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2232000

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$43,482,300	\$11,938,700
<b>Total</b>	<b>\$43,482,300</b>	<b>\$11,938,700</b>
Importance Code A	\$14,652,700	\$770,400
Importance Code B	\$40,500	
Importance Code C	\$28,789,100	\$11,168,400
<b>Total</b>	<b>\$43,482,300</b>	<b>\$11,938,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$100		\$5,500	\$117,100
<b>Total</b>	<b>\$100</b>		<b>\$5,500</b>	<b>\$117,100</b>
Importance Code A			\$5,500	\$83,600
Importance Code C	\$100			\$33,600
<b>Total</b>	<b>\$100</b>		<b>\$5,500</b>	<b>\$117,100</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**  
**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>								
Bridge Seat&pedestals								
Not Accessible	100%							
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Generic	100%			LIFE			**	
<b>Walls</b>								
Concrete	90%			LIFE			**	
Concrete	10%	4+	\$13,815,800	LIFE			**	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 85%</i>								
<i>Location : Random</i>								
<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	70%			LIFE			**	
Concrete	30%	4+	\$28,182,800	LIFE			**	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 45%</i>								
<i>Location : Random</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 Left Wingwall</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	90%			2024	\$3,600,100	4	\$67,100	
Asphalt	10%	4+	\$120,000	2024	\$400,000	4	\$67,100	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<b>Curbs</b>								
Concrete	100%			LIFE			**	
Concrete w/ Steel Face	100%			LIFE			**	
<b>Pavement Base</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**  
**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>								
Sidewalks								
Concrete	95%			LIFE		**		
Concrete	5%	4+	\$100	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>								
Stem,Solid Pier								
Concrete	95%			LIFE		**		
Concrete	5%	4+	\$40,500	LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Explanation : Broken/Missing Element</i>								
<hr/>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Generic	100%			LIFE		**		
<hr/>								
<b>Deck Elements</b>								
Curbs								
Concrete	100%			2043		**		
Concrete w/ Steel Face	100%			LIFE		**		
Granite	100%			LIFE		**		
<hr/>								
<b>Median</b>								
Concrete	100%			LIFE		**	5	
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : Random</i>								
<i>Explanation : Battery Park (pavers, Grass, Asphalt Areas)</i>								
<hr/>								
Steel Grating	100%			LIFE		**	4-8	
<hr/>								
<b>Railings/Parapets</b>								
Concrete	95%			2032		**	4	\$167,100
Concrete	5%	2-4	\$157,600	2032		**	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>								
<hr/>								
Steel	100%	4+	\$89,200	LIFE		**	2-8	\$153,000
<i>Damaged Railing, Extent : Light, Area Affected : 2%</i>								
<i>Location : 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.

**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	
Deck Elements								
Sidewalks								
Concrete	100%			2028	**	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>								
Wearing Surface								
Asphalt	90%			2024	\$5,859,100	5	\$604,200	
Asphalt	10%	4+	\$130,200	2024	\$651,000	5	\$302,100	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Superstructure								
Primary Member								
Concrete	90%			LIFE	**	5	\$360,100	
Concrete	10%	4+	\$590,200	LIFE	**	5	\$360,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 20-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2243020

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$4,300,000	\$2,050,000
<b>Total</b>	<b>\$4,300,000</b>	<b>\$2,050,000</b>
Importance Code A	\$3,002,300	\$501,300
Importance Code B	\$1,173,700	
Importance Code C	\$124,000	\$1,548,700
<b>Total</b>	<b>\$4,300,000</b>	<b>\$2,050,000</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$105,300			\$2,400
<b>Total</b>	<b>\$105,300</b>			<b>\$2,400</b>
Importance Code B	\$34,300			
Importance Code C	\$71,000			\$2,400
<b>Total</b>	<b>\$105,300</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**  
**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+	\$102,500	LIFE		**		
			<i>Efflorescence, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Throughout</i>					
Concrete	85%			LIFE		**		
Tile	100%	4+	\$34,300	LIFE		**		
			<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Rust Stains, Extent : Light, Area Affected : 2%</i>					
			<i>Location : At Vertical Joints</i>					
			<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	100%	4+	\$77,300	2026	\$773,100	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>					
Concrete	100%	4+	\$46,700	2034	**	4	\$92,500	
			<i>Cracks, 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.

**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 : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Approach Curbs Are 50 Percent Concrete With Steel Face And 50 Percent Concrete</i>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$16,800	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<b>Piers</b>								
<b>Pier,Columns</b>								
Concrete	20%			LIFE		**		
Concrete	80%	0-2	\$171,300	LIFE		**		
<i>Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout The Coney Island Bound Side</i>								
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Random Locations Throughout The Coney Island Bound Side</i>								
<b>Stem,Solid Pier</b>								
Concrete	60%			LIFE		**		
Concrete	40%	2-4	\$899,900	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Delaminations, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE		**		
<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%			2045		**		
<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+	\$7,700	2023	\$77,200	4	\$17,900	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Plaza Entrance To Station Building</i>								
Concrete	60%			2030		**	\$4,800	
Concrete	40%	4+	\$11,600	2030		**	\$2,400	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Wearing Surface</b>								
Asphalt	100%	4+	\$34,900	2026	\$698,500	5	\$31,100	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Inside Station Building</i>								
<i>Explanation : Floor Of Station Building Is Tiled</i>								
<b>Superstructure</b>								
<b>Primary Member</b>								
Concrete	40%	4+	\$750,600	LIFE		**	\$250,600	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Delaminations, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Concrete	60%	2-4	\$2,251,700	LIFE		**	\$250,600	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Efflorescence, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : **19-Dec-2012** Landmark Status : **NONE**  
 Areas Surveyed :  
 Block : Lot : BIN : **2229560**

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$1,126,700	\$1,042,700
<b>Total</b>	<b>\$1,126,700</b>	<b>\$1,042,700</b>
Importance Code A	\$922,900	\$281,800
Importance Code C	\$203,800	\$760,900
<b>Total</b>	<b>\$1,126,700</b>	<b>\$1,042,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$90,000		\$24,800	
<b>Total</b>	<b>\$90,000</b>		<b>\$24,800</b>	
Importance Code A	\$34,200		\$24,800	
Importance Code B	\$13,400			
Importance Code C	\$42,400			
<b>Total</b>	<b>\$90,000</b>		<b>\$24,800</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**  
**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	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Stem (breastwall)								
Concrete	10%	4+	\$13,400	LIFE	**			
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</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%							
Approaches								
Pavement								
Asphalt	100%	4+	\$139,300	2025	\$696,400	4	\$14,900	
<i>Cracks, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 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 : Throughout</i>								
<i>Explanation : Total Pavement Area Consists Of 50 Percent Asphalt And 50 Percent Concrete</i>								
Concrete	100%	4+	\$21,700	2033	**	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>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Approaches								
Curbs								
Concrete w/ Steel Face	100%	4+	\$3,600	LIFE		* *		
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
Embankment								
Earth	100%			LIFE		* *		
Guide Railing								
Concrete	100%	2-4	\$3,200	2033		* *	4	\$1,100
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations</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+	\$7,700	2025	\$38,400		4	\$1,600
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random 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>								
Mat (scour & erosion)								
Earth	100%			LIFE		* *		
Sidewalks								
Concrete	100%	4+	\$9,800	LIFE		* *		
<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</i>								
Piers								
Cap Beam								
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**  
**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>Deck Elements</b>								
<b>Curbs</b>								
Concrete	100%			2044		**		
<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>								
<hr/>								
<b>Guide Railing</b>								
Concrete	100%	4+	\$8,300	2037		**		
<i>Exposed Reinforcement, Extent : Light, Area Affected : 2%</i>								
<i>Location : South Face Of Concrete Barrier</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</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>								
<hr/>								
<b>Railings/Parapets</b>								
Concrete	100%			2033		**	4	\$1,700
Steel	100%	4+	\$10,900	LIFE		**	2-8	\$9,500
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Exterior Surface</i>								
<i>Loss of Section, Extent : Light, Area Affected : 2%</i>								
<i>Location : Exterior Face</i>								
<hr/>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$10,900	2029		**	5	\$6,000
<i>Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : South Sidewalk</i>								
<i>Explanation : Sidewalk Is Partially Fenced Out For Construction</i>								
<hr/>								
<b>Wearing Surface</b>								
Concrete	100%			2033		**	5	\$129,100
<hr/>								
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Not Accessible	100%							
<hr/>								
<b>Primary Member</b>								
Steel	100%	4+	\$922,900	LIFE		**	2-8	\$454,600
<i>Corrosion, Extent : Light, Area Affected : 20%</i>								
<i>Location : Fascia Girder On Bottom Flange</i>								
<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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : **20-Jul-2011** Landmark Status : **NONE**  
 Areas Surveyed :  
 Block : Lot : BIN : **2266540**

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$1,994,300	\$1,408,200
<b>Total</b>	<b>\$1,994,300</b>	<b>\$1,408,200</b>
Importance Code A	\$1,515,300	\$238,200
Importance Code B	\$105,200	\$651,300
Importance Code C	\$373,800	\$518,700
<b>Total</b>	<b>\$1,994,300</b>	<b>\$1,408,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$24,700	\$400	\$66,000	\$2,700
<b>Total</b>	<b>\$24,700</b>	<b>\$400</b>	<b>\$66,000</b>	<b>\$2,700</b>
Importance Code A	\$6,700		\$700	\$1,100
Importance Code B	\$2,900		\$65,300	
Importance Code C	\$15,100	\$400		\$1,600
<b>Total</b>	<b>\$24,700</b>	<b>\$400</b>	<b>\$66,000</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**  
**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>Abutments</b>								
Backwall								
Concrete	100%			LIFE			* *	
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%	4+	\$2,900	LIFE			* *	
			<i>Spalling, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Pothole At Northwest End Of Tunnel</i>					
Stem (breastwall)								
Brick	100%			LIFE			* *	
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%	4+	\$8,300	LIFE			* *	
			<i>Spalling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Small Random Potholes</i>					
Piles								
Not Accessible	100%							
Walls								
Brick	100%			LIFE			* *	
Concrete	100%	4+	\$373,800	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</i>					
			<i>Explanation : Minor Peeling Paint</i>					
<b>Approaches</b>								
Pavement								
Asphalt	100%			2024	\$181,300	4	\$3,200	
Curbs								
Concrete	100%			LIFE			* *	
Embankment								
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**  
**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>								
Guide Railing								
Concrete	100%			2032	**	4		
Steel	100%	4+	\$4,700	LIFE	**	2-8	\$25,700	
<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</i>								
<hr/>								
Pavement Base								
Not Accessible	100%							
<hr/>								
Sidewalks								
Concrete	100%			LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Cracks</i>								
<hr/>								
<b>Piers</b>								
Cap Beam								
Concrete Encased Steel	100%			LIFE	**	5		
<hr/>								
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$937,500	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Span 1</i>								
<i>Explanation : Impact Damage</i>								
<hr/>								
Stem,Solid Pier								
Concrete	100%			LIFE	**			
<hr/>								
Footings								
Not Accessible	100%							
<hr/>								
Mat (scour & erosion)								
Generic	100%			LIFE	**			
<hr/>								
<b>Deck Elements</b>								
Curbs								
Concrete	100%			2043	**			
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Joints</i>								
<hr/>								
Gratings								
Steel	100%			LIFE	**			
<hr/>								
Guide Railing								
Concrete	100%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : 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>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Deck Elements								
Railings/Parapets Concrete	100%			2032	**	4	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Explanation : Minor Scaling And Peeling Paint</i>								
-----								
Sidewalks Concrete	100%			2028	**	5	\$800	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
-----								
Wearing Surface Asphalt	100%	4+	\$6,700	2024	\$337,400	5	\$17,100	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Transverse Cracks</i>								
-----								
Superstructure								
Deck, Structural Concrete	40%			LIFE	**	5	\$36,200	
Concrete	60%	2-4	\$969,500	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>								
-----								
Joints								
Not Accessible	100%							
-----								
Primary Member								
Concrete Encased Steel	100%	4+	\$545,800	LIFE	**	5	\$165,800	
<i>Other Observation, Extent : Light, Area Affected : 80%</i>								
<i>Location : Random</i>								
<i>Explanation : Peeling Paint</i>								
-----								
Secondary Member								
Steel	100%	4+	\$105,200	LIFE	**	2-8	\$509,500	
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 18-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231380

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$209,100	\$3,151,200
<b>Total</b>	<b>\$209,100</b>	<b>\$3,151,200</b>
Importance Code A		\$257,900
Importance Code B		\$203,900
Importance Code C	\$209,100	\$2,689,400
<b>Total</b>	<b>\$209,100</b>	<b>\$3,151,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$69,200	\$47,600	\$48,000	
<b>Total</b>	<b>\$69,200</b>	<b>\$47,600</b>	<b>\$48,000</b>	
Importance Code A	\$8,400	\$26,300	\$27,500	
Importance Code B	\$32,000		\$20,400	
Importance Code C	\$28,700	\$21,300		
<b>Total</b>	<b>\$69,200</b>	<b>\$47,600</b>	<b>\$48,000</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**  
**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+	\$21,400	LIFE		**		
			<i>Missing/Damaged Seal, Extent : Light, Area Affected : 15%</i>					
			<i>Location : North Abutment</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : At Concrete Headers</i>					
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Pedestals								
Concrete	100%			LIFE		**		
Stem (breastwall)								
Concrete	15%	4+	\$10,700	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+	\$45,300	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		**		
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**  
**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
<b>Approaches</b>								
Pavement								
Asphalt	70%	4+	\$37,100	2026	\$1,854,600	4	\$42,700	
	<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>							
Asphalt	30%			2026	\$794,800	4	\$64,000	
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE	**			
<b>Embankment</b>								
Earth	100%			LIFE	**			
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : At Southwest Approach</i>							
	<i>Explanation : Earth Embankment</i>							
<b>Guide Railing</b>								
Concrete	100%			2034	**	4	\$65,100	
	<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	**	2-8	\$44,200	
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Median</b>								
Concrete	100%	4+	\$8,400	LIFE	**			
	<i>Spalling, Extent : Light, Area Affected : 2%</i>							
	<i>Location : North Approach</i>							
<b>Sidewalks</b>								
Concrete	100%	4+	\$67,100	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>							
<b>Piers</b>								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$124,800	
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	\$1,400	
	<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>							
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**  
**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								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**	5	\$3,400	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Mono Deck Surface								
Concrete	100%			2051	**	5		
Railings/Parapets								
Concrete	100%			2034	**	4	\$13,800	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Both Parapets</i>					
			<i>Explanation : Concrete Parapet With Steel Fence On Top</i>					
Steel	100%			LIFE	**	2-8	\$12,700	
Sidewalks								
Concrete	100%	4+	\$28,700	2030	**	5	\$4,800	
			<i>Cracks, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
Wearing Surface								
Concrete	100%	4+	\$59,600	2034	**	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	\$22,700	
			<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	\$380,800	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$319,000	

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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 07-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241110

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$155,100	\$2,206,200
<b>Total</b>	<b>\$155,100</b>	<b>\$2,206,200</b>
Importance Code A		\$412,200
Importance Code B	\$71,500	\$371,000
Importance Code C	\$83,700	\$1,423,000
<b>Total</b>	<b>\$155,100</b>	<b>\$2,206,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$78,400		\$75,300	
<b>Total</b>	<b>\$78,400</b>		<b>\$75,300</b>	
Importance Code A	\$34,600		\$38,100	
Importance Code B	\$16,700		\$37,200	
Importance Code C	\$27,100			
<b>Total</b>	<b>\$78,400</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
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	100%	4+	\$71,500	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		**		
Wingwalls								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Masonry	100%			LIFE		**		
Approaches								
Pavement								
Asphalt	100%	4+	\$27,100	2026	\$1,355,300	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%	4+	\$4,100	LIFE		**		
			<i>Rust Stains, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Throughout</i>					
			<i>Vegetation Growth, Extent : Moderate, Area Affected : 15%</i>					
			<i>Location : Random Locations Throughout</i>					
Sidewalks								
Concrete	100%			LIFE		**		
Piers								
Cap Beam								
Concrete	100%			LIFE		**		
			<i>Efflorescence, 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**  
**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>Piers</b>								
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+	\$16,700	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	\$10,300	
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	**			
Pedestals Concrete	100%			LIFE	**			
Piles Not Accessible	100%							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$11,000	LIFE	**			
<i>Rust Stains, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets Concrete	100%	4+	\$19,500	2034	**	4	\$8,600	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Steel	100%			LIFE	**	2-8	\$11,700	
<i>Corrosion, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Sidewalks Concrete	100%	4+	\$36,900	2030	**	5	\$13,200	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Left Side- Span 1</i>								
Wearing Surface Asphalt	100%			2026		5		
Concrete	100%	4+	\$46,700	2034	**	5	\$67,700	
<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**  
**CONRAIL NE REG BRIDGE MELROSE AVE/CONRAIL PT MORRIS**

**Asset # : 2661**

Bridge Structure	Current Repair			Future Replacement		Maintenance		
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 : Throughout Along The Curbs</i>							
	<i>Explanation : Total Of 8 Scuppers</i>							
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	* *	5	\$41,200	
	<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	\$692,900	
Secondary Member								
Steel	100%			LIFE	* *	2-8	\$580,400	

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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 11-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2248039

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure		\$1,491,400
<b>Total</b>		<b>\$1,491,400</b>
Importance Code A		\$168,300
Importance Code B		\$168,300
Importance Code C		\$1,154,900
<b>Total</b>		<b>\$1,491,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$58,100	\$26,300	\$34,100	
<b>Total</b>	<b>\$58,100</b>	<b>\$26,300</b>	<b>\$34,100</b>	
Importance Code A	\$35,000		\$17,200	
Importance Code B	\$17,700		\$16,900	
Importance Code C	\$5,400	\$26,300		
<b>Total</b>	<b>\$58,100</b>	<b>\$26,300</b>	<b>\$34,100</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 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+	\$17,700	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)								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Adjacent To All Wingwalls</i>								
<i>Explanation : Minor Vegetation Growth</i>								
Piles								
Not Accessible	100%							
Walls								
Granite	100%			LIFE	**			
Approaches								
Pavement								
Asphalt	100%			2026	\$1,154,900	4	\$31,800	
Concrete	100%			2034	**	4	\$47,200	
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+	\$21,600	LIFE	**	2-8	\$5,900	
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Northeast And Southeast</i>								
<i>Explanation : Guide Rail Has Vehicular Impact Damage</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  
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		**		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Cracks In Concrete Deck, Sidewalk Propagated Through Fascias Parapets</i>								
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	\$4,100
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	\$1,400
Mono Deck Surface								
Concrete	100%			2045		**	5	
Railings/Parapets								
Concrete	100%	4+	\$13,400	2034		**	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%	4+	\$5,400	2030		**	5	\$2,600
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : East And West Sidewalks Through Fascias</i>								

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

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

<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%			2034	**	5		
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout Entire Deck</i>								
<hr/>								
<b>Superstructure</b>								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$18,700	
<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>								
<hr/>								
<b>Primary Member</b>								
Steel	100%			LIFE	**	2-8	\$314,300	
<hr/>								
<b>Secondary Member</b>								
Steel	100%			LIFE	**	2-8	\$263,300	
<hr/>								

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : **08-Jan-2013** Landmark Status : **NONE**  
 Areas Surveyed :  
 Block : Lot : BIN : **2231559**

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$505,900	\$6,461,600
<b>Total</b>	<b>\$505,900</b>	<b>\$6,461,600</b>
Importance Code A	\$328,700	\$459,400
Importance Code B	\$109,000	\$229,700
Importance Code C	\$68,200	\$5,772,600
<b>Total</b>	<b>\$505,900</b>	<b>\$6,461,600</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$188,100		\$71,600	
<b>Total</b>	<b>\$188,100</b>		<b>\$71,600</b>	
Importance Code A	\$35,700		\$48,600	
Importance Code B	\$34,500		\$23,000	
Importance Code C	\$117,900			
<b>Total</b>	<b>\$188,100</b>		<b>\$71,600</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**  
**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
<b>Abutments</b>								
Bridge Seat&pedestals Concrete	100%	4+	\$50,600	LIFE		* *		
<i>Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Begin Abutment West Side</i>								
Backwall Not Accessible	100%							
Brngs,Ancr Blts,Pads Steel	100%			LIFE		* *		
Footings Not Accessible	100%							
Joint with Deck Generic	100%	4+	\$31,100	LIFE		* *		
<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Both Abutments</i>								
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+	\$3,200	LIFE		* *		
<i>Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Begin Abutment West Side</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Begin Abutment West Side</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Begin Abutment West Side</i>								
Stem (breastwall) Concrete	100%	4+	\$67,600	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</i>								
<i>Explanation : Exposed Rebars</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : End Abutment</i>								
<b>Wingwalls</b>								
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	
<b>Wingwalls</b>								
<b>Walls</b>								
Masonry: Stone	100%	4+	\$8,500	LIFE			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Missing Pointing And Efflorescence, Deteriorated Mortar</i>								
<hr/>								
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%			2025	\$5,704,400	4	\$196,900	
<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>								
Concrete	100%	4+	\$12,400	2033		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>								
<hr/>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$54,400	LIFE			* *	
<i>Settlement, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Both Approaches</i>								
<hr/>								
<b>Embankment</b>								
Earth	100%			LIFE			* *	
<hr/>								
<b>Guide Railing</b>								
Steel	100%			LIFE		2-8	\$57,700	
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE			* *	
<hr/>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$15,300	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Isolated Location</i>								
<i>Settlement, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Both Approaches</i>								
<hr/>								
<b>Piers</b>								
<b>Pier, Columns</b>								
Concrete	100%	4+	\$41,400	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+	\$3,400	LIFE			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Piers, Scattered Throughout</i>								
<i>Explanation : Loose Elements And Vegetation Growth</i>								

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

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

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

**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								
Stem,Solid Pier Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Pier</i>								
<i>Explanation : Barrier Wall As Stem Solid Pier</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%	4+	\$2,100	LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Median								
Concrete	100%	4+	\$81,000	LIFE	**	5	\$27,900	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Near End Approach</i>								
<i>Settlement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Near End Approach</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</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+	\$6,100	2029	**	5	\$3,600	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Isolated Locations</i>								
Wearing Surface Concrete	100%			2033	**	5	\$136,400	
Scupper Ductile 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**  
**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	
Superstructure								
Deck,Structural Concrete	100%	4+	\$142,700	LIFE	**	5	\$25,500	
	<i>Cracks, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Spalling, Extent : Moderate, 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 : Stay In Place Forms Used Under Deck</i>							
Joints								
Generic	100%	4+	\$9,900	LIFE	**			
	<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Throughout</i>							
Primary Member								
Steel	2%	4+	\$30,400	LIFE	**	2-8	\$429,000	
	<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Bird Nesting</i>							
Steel	98%			LIFE	**	2-8	\$429,000	
Secondary Member								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : **19-Dec-2012** Landmark Status : **NONE**  
 Areas Surveyed :  
 Block : Lot : BIN : **2076640**

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$932,100	\$1,313,700
<b>Total</b>	<b>\$932,100</b>	<b>\$1,313,700</b>
Importance Code A	\$108,100	\$296,900
Importance Code B	\$637,000	\$597,700
Importance Code C	\$186,900	\$419,100
<b>Total</b>	<b>\$932,100</b>	<b>\$1,313,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$126,000		\$92,500	
<b>Total</b>	<b>\$126,000</b>		<b>\$92,500</b>	
Importance Code A	\$27,400		\$31,000	
Importance Code B	\$23,800		\$61,500	
Importance Code C	\$74,900			
<b>Total</b>	<b>\$126,000</b>		<b>\$92,500</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**  
**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 : Severe, Area Affected : 100%</i>					
			<i>Location : South Abutment</i>					
			<i>Explanation : Steel Sheeting</i>					
Concrete	100%			LIFE			* *	
<b>Feature Crossed</b>								
Bank Protection								
Riprap	100%	Now	\$122,100	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>					
Pier Protection								
Steel	100%	0-2	\$428,000	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>					
<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**  
**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>Approaches</b>								
Pavement								
Asphalt	100%	2-4	\$28,900	2022	\$289,500	4	\$3,900	
<i>Cracks, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : More Severe At South Approach</i>								
Concrete	100%	4+	\$13,500	2033	**	4	\$14,900	
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Both Approaches</i>								
<b>Curbs</b>								
Concrete	5%	4+	\$3,900	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	**			
<b>Embankment</b>								
Generic	100%			LIFE	**			
<b>Guide Railing</b>								
Steel	100%	0-2	\$14,100	LIFE	**	2-8	\$5,800	
<i>Damaged Railing, Extent : Light, Area Affected : 10%</i>								
<i>Location : South Approach East Side</i>								
<b>Mat (scour &amp; erosion)</b>								
Earth	80%			LIFE	**			
Earth	20%	Now	\$1,400	LIFE	**			
<i>Erosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South Approach Along Bank Of Harlem River</i>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$14,300	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : South Approach East Side</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : South Approach East Side</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : South Approach East Side</i>								
<b>Piers</b>								
Cap Beam								
Concrete	100%			LIFE	**			
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$45,600	
Stem,Solid Pier								
Concrete	100%	4+	\$209,000	LIFE	**			
<i>Rust Stains, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Brngs,Ancr Blts,Pads								
Steel	100%	4+	\$108,100	LIFE	**	2-8	\$16,000	
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Under Leaky Deck Joints</i>								

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

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

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

**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
Piers								
Footings								
Not Accessible	100%							
Pedestals								
Concrete	100%	4+	\$17,400	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Piers 5, 6 And 7</i>								
Deck Elements								
Curbs								
Granite	100%			LIFE	**			
Railings/Parapets								
Concrete	100%			2033	**	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 Chainlink Fence On Both Sides In The Spans Over Tracks, Total Length Approximately 125 Feet.</i>								
Sidewalks								
Concrete	100%	4+	\$11,600	2029	**	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>								
Wearing Surface								
Concrete	95%			2033	**	5	\$129,600	
Concrete	5%	4+	\$2,200	2033	**	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>								
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	

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

Maintenance \$ are aggregated over a ten-year period. Site 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								
Secondary Member								
Steel	5%	2-4	\$6,300	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : E. 12TH STREET BRIDGE  
**Address** : E. 12TH STREET  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0163.000 / 13571 **Yr Built/Renovated** :  
**Area Sq Ft** : 17,200 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 11-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231390

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$687,600	\$3,734,500
<b>Total</b>	<b>\$687,600</b>	<b>\$3,734,500</b>
Importance Code A	\$119,700	\$170,200
Importance Code B	\$70,500	\$170,200
Importance Code C	\$497,400	\$3,394,000
<b>Total</b>	<b>\$687,600</b>	<b>\$3,734,500</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$124,300		\$70,300	
<b>Total</b>	<b>\$124,300</b>		<b>\$70,300</b>	
Importance Code A	\$35,600		\$18,700	
Importance Code B	\$46,600		\$17,100	
Importance Code C	\$42,100		\$34,600	
<b>Total</b>	<b>\$124,300</b>		<b>\$70,300</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. 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								
Concrete	100%			LIFE			* *	
Backwall								
Concrete	100%			LIFE			* *	
			<i>Efflorescence, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Both Abutments</i>					
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE			* *	
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$19,300	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : At Concrete Headers</i>					
			<i>Missing/Damaged Seal, Extent : Light, 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								
Concrete	100%			LIFE			* *	
Stem (breastwall)								
Concrete	100%	4+	\$70,500	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>					
Masonry	100%	4+	\$13,200	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			* *	
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**  
**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	
Wingwalls								
Walls								
Concrete	6%	4+	\$56,100	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>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Concrete	94%			LIFE			**	
Masonry: Stone	80%	4+	\$29,200	LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : All Wingwalls Except Northeast Wingwall</i>								
<i>Explanation : Efflorescence At Joints</i>								
Masonry: Stone	20%			LIFE			**	
Approaches								
Pavement								
Asphalt	100%	4+	\$339,400	2026	\$3,394,000	4	\$54,600	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout</i>								
Curbs								
Concrete w/ Steel Face	100%	4+	\$72,800	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	\$43,600	
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Median								
Concrete	100%	4+	\$46,900	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>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : At Concrete Curbs With Steel Face</i>								
<i>Explanation : Corrosion</i>								
Sidewalks								
Concrete	100%	4+	\$40,900	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>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Piers								
Pier,Columns Concrete	100%	2-4	\$14,100	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 Steel	100%			LIFE	**	2-8	\$1,400	
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%	4+	\$23,000	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+	\$12,600	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	\$11,400	
Sidewalks Concrete	100%	4+	\$13,000	2030	**	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%			2034	**	5	\$69,100	
Superstructure Deck,Structural Concrete	100%			LIFE	**	5	\$18,900	

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**  
**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
Superstructure								
Joints								
Generic	80%	4+	\$48,800	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	20%	0-2	\$12,200	LIFE			**	
	<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : At Joint Rubber Seal</i>							
	<i>Misaligned/Bulging, Extent : Light, Area Affected : 10%</i>							
	<i>Location : At Rubber Seal</i>							
Primary Member								
Steel	100%			LIFE		**	2-8	\$318,000
	<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Explanation : Paint Peeling With Minor Surface Corrosion</i>							
Secondary Member								
Steel	100%			LIFE		**	2-8	\$266,400
	<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Explanation : Paint Peeling With Minor Surface 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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 07-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241630

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$556,500	\$3,097,800
<b>Total</b>	<b>\$556,500</b>	<b>\$3,097,800</b>
Importance Code A	\$40,300	
Importance Code C	\$516,200	\$3,097,800
<b>Total</b>	<b>\$556,500</b>	<b>\$3,097,800</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$24,300	\$4,800	\$500	
<b>Total</b>	<b>\$24,300</b>	<b>\$4,800</b>	<b>\$500</b>	
Importance Code A	\$3,600	\$4,800	\$500	
Importance Code C	\$20,800			
<b>Total</b>	<b>\$24,300</b>	<b>\$4,800</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**  
**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)								
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)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	100%	4+	\$97,900	LIFE		**		
			<i>Spalling, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>					
			<i>Location : End Abutment Wingwall</i>					
Masonry: Stone	100%			LIFE		**		
<b>Approaches</b>								
Pavement								
Asphalt	100%	0-2	\$282,700	2026	\$2,826,600	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>					
Concrete	100%			2034		**	4	
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
			<i>Rust Stains, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Throughout</i>					
Median								
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**  
**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
Approaches								
Sidewalks								
Concrete	100%	4+	\$14,500	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Piers								
Stem,Solid Pier								
Masonry	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 : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Median								
Concrete	100%	4+	\$3,600	LIFE		**	5	\$2,100
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Concrete	100%			2034		**	4	\$14,500
Steel	100%	4+	\$40,300	LIFE		**	2-8	\$13,300
<i>Corrosion, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Sidewalks								
Concrete	100%	4+	\$6,200	2030		**	5	\$2,600
<i>Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations Throughout</i>								
Wearing Surface								
Asphalt	100%	2-4	\$135,600	2026	\$271,300		5	\$12,100
<i>Cracks, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Superstructure								
Deck,Structural								
Not Accessible	100%							
Primary 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**E. 165TH ST. BRIDGE / METRO-NORTH RR**  
**Asset # : 13574**

<b>Bridge Structure</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>
Superstructure								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 26-Dec-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241550

**CAPITAL**

**Total**

Importance Code

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**Total**

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$48,500			
<b>Total</b>	<b>\$48,500</b>			
Importance Code B	\$12,000			
Importance Code C	\$36,500			
<b>Total</b>	<b>\$48,500</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 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+	\$12,000	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+	\$4,300	LIFE			* *	
<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+	\$13,800	LIFE			* *	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Sides West Wingwalls And North Side East Wingwall</i>								
<i>Explanation : Loose/ Eroded Joints</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**  
**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	
Approaches								
Pavement								
Asphalt	100%	2-4	\$8,800	2025	\$29,400	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+	\$4,600	2033	**	4	\$3,100	
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Approach</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Embankment								
Earth	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Begin Right Side</i>								
<i>Explanation : Begin Right Wingwall Is Earth And Concrete Cribbing</i>								
Guide Railing								
Steel	100%			LIFE	**	2-8		
<i>Corrosion, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Sidewalks								
Concrete	100%			LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</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**  
**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
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
Mono Deck Surface								
Concrete	100%			2044		**	5	
Railings/Parapets								
Concrete	100%			2033		**	4	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : 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+	\$5,000	2029		**	5	\$3,500
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 17-Dec-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241129

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure		\$319,500
<b>Total</b>		<b>\$319,500</b>
Importance Code A		\$124,500
Importance Code B		\$124,500
Importance Code C		\$70,600
<b>Total</b>		<b>\$319,500</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$58,400		\$25,300	
<b>Total</b>	<b>\$58,400</b>		<b>\$25,300</b>	
Importance Code A	\$6,600		\$12,800	
Importance Code B			\$12,500	
Importance Code C	\$51,700			
<b>Total</b>	<b>\$58,400</b>		<b>\$25,300</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 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
<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)								
Earth	100%			LIFE			* *	
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE			* *	
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%	4+	\$7,100	2025	\$70,600	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 : 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	\$11,000	2033			\$5,800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : 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>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			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**  
**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								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Sidewalks								
Concrete	75%	4+	\$2,700	LIFE			**	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations</i>					
Concrete	10%	4+	\$5,400	LIFE			**	
			<i>Settlement, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Random Locations</i>					
Concrete	15%	0-2	\$8,100	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>					
Deck Elements								
Guide Railing								
Concrete	100%	4+	\$6,600	2037			**	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations</i>					
Median								
Concrete	100%			LIFE		**	5	\$2,600
Mono Deck Surface								
Concrete	100%	4+	\$5,500	2044		**	5	\$33,400
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
Railings/Parapets								
Steel	100%			LIFE		**	2-8	\$9,900
			<i>Corrosion, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations</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+	\$9,400	2029		**	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+	\$2,600	2029		**	5	\$5,800
			<i>Cracks, Extent : Light, Area Affected : 80%</i>					
			<i>Location : Both Sides</i>					
Superstructure								
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**  
**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	
Superstructure								
Primary Member								
Steel	100%			LIFE	* *	2-8	\$232,500	
		<i>Corrosion, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 31-Oct-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241050

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure		\$1,417,800
<b>Total</b>		<b>\$1,417,800</b>
Importance Code C		\$1,417,800
<b>Total</b>		<b>\$1,417,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$78,200	\$13,500		\$4,500
<b>Total</b>	<b>\$78,200</b>	<b>\$13,500</b>		<b>\$4,500</b>
Importance Code A	\$14,900	\$2,100		
Importance Code C	\$63,300	\$11,400		\$4,500
<b>Total</b>	<b>\$78,200</b>	<b>\$13,500</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**  
**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>Approaches</b>								
<b>Pavement</b>								
Asphalt	50%			2026	\$708,900	4	\$34,200	
Asphalt	50%	4+	\$14,200	2026	\$708,900	4	\$22,800	
<i>Broken,Missing Pave, Extent : Light, Area Affected : 2%</i>								
<i>Location : At East Approach</i>								
<i>Cracks, 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 : Uneven Asphalt Surface</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$11,800	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	Priority
Approaches								
Sidewalks								
Concrete	100%	4+	\$23,700	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Joint Freezing, Extent : Light, Area Affected : 10%</i>								
<i>Location : Along North Sidewalk Joints</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%	4+	\$3,100	LIFE			* *	
<i>Corrosion, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Concrete	100%			2034			* *	4 \$6,300
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : North Side Of Deck</i>								
<i>Explanation : Concrete Parapet</i>								
Sidewalks								
Concrete	100%			2030			* *	5 \$9,000
Wearing Surface								
Concrete	100%	4+	\$25,400	2034			* *	5 \$17,100
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Along Both Sides Of Approach Joints</i>								
<i>Delaminations, Extent : Light, Area Affected : 5%</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : 19-Jul-2011 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2242300

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$896,300	\$2,118,500
<b>Total</b>	<b>\$896,300</b>	<b>\$2,118,500</b>
Importance Code A	\$130,200	\$220,500
Importance Code B	\$766,100	\$682,300
Importance Code C		\$1,215,600
<b>Total</b>	<b>\$896,300</b>	<b>\$2,118,500</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$59,000	\$3,600	\$85,500	\$17,800
<b>Total</b>	<b>\$59,000</b>	<b>\$3,600</b>	<b>\$85,500</b>	<b>\$17,800</b>
Importance Code A	\$6,500		\$500	\$9,600
Importance Code B	\$3,100		\$68,400	
Importance Code C	\$49,400	\$3,600	\$16,500	\$8,200
<b>Total</b>	<b>\$59,000</b>	<b>\$3,600</b>	<b>\$85,500</b>	<b>\$17,800</b>



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

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

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

**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>Abutments</b>								
Backwall								
Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Generic	100%	4+	\$3,100	LIFE		**		
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Pothole At Eastern Exit Of Tunnel</i>								
<b>Pedestals</b>								
Steel	100%			LIFE		**		
<i>Corrosion, Extent : Light, Area Affected : 2%</i>								
<i>Location : Minor Pitting At Base Of Pedestals At Sidewalk</i>								
<b>Stem (breastwall)</b>								
Concrete	100%	4+	\$138,400	LIFE		**		
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Spalling At Interface With Pedestals, Water Infiltration At One Spall In South Abutment</i>								
<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		**		
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Peeling Paint</i>								
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	70%			2024	\$622,900	4	\$16,300	
Asphalt	30%	4+	\$26,700	2024	\$267,000	4	\$16,300	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</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**  
**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>								
Guide Railing								
Concrete	80%			2032	**	4	\$19,200	
Concrete	20%	4+	\$6,500	2032	**	4	\$19,200	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : At Approaches Atop Wingwalls</i>								
Steel	100%			LIFE	**	2-8	\$19,600	
<b>Pavement Base</b>								
Not Accessible	100%							
<b>Sidewalks</b>								
Concrete	20%	4+	\$15,700	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Concrete	80%			LIFE	**			
<b>Piers</b>								
Pier,Columns								
Steel	80%			LIFE	**	2-8	\$982,300	
Steel	20%	4+	\$627,700	LIFE	**	2-8	\$982,300	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Pitting Throughout</i>								
<b>Stem,Solid Pier</b>								
Concrete	100%			LIFE	**			
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Generic	100%			LIFE	**			
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**	5	\$16,900	
Sidewalks								
Concrete	80%			2028	**	5	\$7,200	
Concrete	20%	4+	\$3,800	2028	**	5	\$3,600	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random, Large Crack At Sidewalk Over Eastern End Of Tunnel</i>								
Wearing Surface								
Asphalt	90%			2024	\$293,200	5	\$33,000	
Asphalt	10%	4+	\$3,300	2024	\$32,600	5	\$16,500	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Location</i>								
<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**  
**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	
Superstructure								
Deck, Structural								
Concrete	100%	4+	\$130,200	LIFE	**	5	\$39,500	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Cracks With Efflorescence At Deck Supporting Subway</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 19-Dec-2012 Landmark Status : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2241270

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure		\$644,500
<b>Total</b>		<b>\$644,500</b>
Importance Code A		\$264,200
Importance Code B		\$39,300
Importance Code C		\$341,000
<b>Total</b>		<b>\$644,500</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$104,000		\$26,300	
<b>Total</b>	<b>\$104,000</b>		<b>\$26,300</b>	
Importance Code A	\$2,400		\$22,300	
Importance Code B	\$36,700		\$3,900	
Importance Code C	\$64,900			
<b>Total</b>	<b>\$104,000</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	
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+	\$21,800	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	5%	4+	\$14,900	LIFE			* *	
			<i>Cracks, Extent : Moderate, Area Affected : 40%</i>					
			<i>Location : Throughout</i>					
Concrete	95%			LIFE			* *	
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Piles								
Not Accessible	100%							
Walls								
Concrete	100%	4+	\$12,400	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
Masonry	100%	4+	\$2,000	LIFE			* *	
			<i>Joint Motar Miss/Erod, Extent : Light, Area Affected : 10%</i>					
			<i>Location : 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>					

## 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	100%	4+	\$5,400	2025	\$268,000	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</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>								
Concrete	100%	4+	\$8,300	2033	**	4	\$11,100	
<i>Cracks, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random Locations</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	**			
Sidewalks								
Concrete	100%	4+	\$3,300	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
Piers								
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$113,200	
Stem,Solid Pier								
Concrete	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>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random 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**  
**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>Median</b>								
Concrete	90%			LIFE	**	5	\$21,700	
Concrete	10%	4+	\$2,100	LIFE	**	5	\$21,700	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations</i>								
<b>Railings/Parapets</b>								
Concrete	100%			2033	**	4	\$800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location :</i>								
<i>Explanation : Concrete Parapet</i>								
Steel	100%			LIFE	**	2-8	\$4,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location :</i>								
<i>Explanation : Steel Railing</i>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$7,600	2029	**	5	\$5,300	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
<b>Wearing Surface</b>								
Concrete	100%	4+	\$25,900	2033	**	5	\$73,000	
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Along Armored Joint Along East And West Abutment</i>								
<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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 18-Jul-2011  
**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$282,600	\$815,200
<b>Total</b>	<b>\$282,600</b>	<b>\$815,200</b>
Importance Code A	\$282,600	\$490,900
Importance Code B		\$158,400
Importance Code C		\$165,900
<b>Total</b>	<b>\$282,600</b>	<b>\$815,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$101,000		\$65,100	\$6,900
<b>Total</b>	<b>\$101,000</b>		<b>\$65,100</b>	<b>\$6,900</b>
Importance Code A	\$16,600		\$49,200	\$5,700
Importance Code B	\$40,800		\$15,900	
Importance Code C	\$43,500			\$1,200
<b>Total</b>	<b>\$101,000</b>		<b>\$65,100</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**  
**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 : Under Deck Shield Begins With End Abutment</i> <i>Explanation : Under Construction, 25% Of The Bridge Is Covered With Temporary Under Deck Shield.</i>							
Backwall Not Accessible	100%							
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Joint with Deck Generic	50%			LIFE			* *	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Begin Abutment</i> <i>Explanation : Under Construction</i>							
Generic	50%			LIFE			* *	
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	80%			LIFE			* *	
Concrete	20%	4+	\$21,600	LIFE			* *	
	<i>Vegetation Growth, Extent : Severe, Area Affected : 40%</i> <i>Location : Bottom Of Wall</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**  
**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
Approaches								
Pavement								
Asphalt	60%			2024	\$99,600	4	\$2,400	
Asphalt	40%	2-4	\$13,300	2024	\$66,400	4	\$2,400	
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Minor Spalls With Deteriorated Surface (beg. Approach)</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Surface Of Beg. Approach</i>								
<i>Explanation : Rutting</i>								
Concrete	100%			2032	* *	4		
Curbs								
Concrete w/ Steel Face	60%			LIFE	* *			
Concrete w/ Steel Face	40%	4+	\$7,000	LIFE	* *			
<i>Rust Stains, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Full Length</i>								
Guide Railing								
Concrete	60%			2032	* *	4	\$11,400	
Concrete	40%	4+	\$9,700	2032	* *	4	\$11,400	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	60%			LIFE	* *			
Concrete	40%	4+	\$8,600	LIFE	* *			
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Surface</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Deteriorated Concrete Along The Length</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**  
**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								
Cap Beam								
Concrete	75%			LIFE			**	
Concrete	25%	4+	\$282,600	LIFE			**	
Cracks, Extent : Moderate, Area Affected : 20%								
Location : Random								
Delaminations, Extent : Moderate, Area Affected : 10%								
Location : Random								
Exposed Reinforcement, Extent : Moderate, Area Affected : 20%								
Location : Random								
Rust Stains, Extent : Moderate, Area Affected : 20%								
Location : Random								
Spalling, Extent : Light, Area Affected : 10%								
Location : Random								
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Random								
Explanation : Spalls With And Without Exposed Reinforcement Are Covered With Steel Meshes.								
Steel	100%			LIFE		2-8	\$1,135,000	**
Corrosion, Extent : Severe, Area Affected : 30%								
Location : Random								
Pier,Columns								
Concrete	90%			LIFE			**	
Concrete	10%	4+	\$25,200	LIFE			**	
Exposed Reinforcement, Extent : Moderate, Area Affected : 20%								
Location : Random								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Cracks And Spalling On All Piers								
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Random								
Explanation : Spalls With And Without Exposed Reinforcement Are Covered With Steel Meshes.								
Steel	100%			LIFE		2-8	\$455,900	**
Other Observation, Extent : Light, Area Affected : 30%								
Location : Random								
Explanation : Paint Peeling								
Stem,Solid Pier								
Concrete	70%			LIFE			**	
Concrete	30%	4+	\$15,700	LIFE			**	
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Spans 14-16								
Brngs,Ancr Blts,Pads								
Under Construction	100%							
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**  
**FDR NB RAMP/SOUTH ST**  
**Asset # : 4323**

<b>Bridge Structure</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>
Piers								
Pedestals								
Under Construction	100%							
Deck Elements								
Curbs								
Under Construction	100%							
Guide Railing								
Under Construction	100%							
Median								
Under Construction	100%							
Mono Deck Surface								
Under Construction	100%							
Railings/Parapets								
Under Construction	100%							
Sidewalks								
Under Construction	100%							
Wearing Surface								
Under Construction	100%							
Superstructure								
Deck,Structural								
Under Construction	100%							
Joints								
Under Construction	100%							
Primary Member								
Under Construction	100%							
Secondary Member								
Under Construction	100%							

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : FDR SB RAMP/SOUTH ST  
**Address** : DOVER & 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** : 18-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 223201B

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$833,900	\$2,848,800
<b>Total</b>	<b>\$833,900</b>	<b>\$2,848,800</b>
Importance Code A	\$572,800	\$1,802,600
Importance Code B	\$222,900	\$679,000
Importance Code C	\$38,100	\$367,200
<b>Total</b>	<b>\$833,900</b>	<b>\$2,848,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$82,300		\$250,500	\$2,600
<b>Total</b>	<b>\$82,300</b>		<b>\$250,500</b>	<b>\$2,600</b>
Importance Code A	\$40,800		\$172,700	\$1,400
Importance Code B	\$3,600		\$68,100	
Importance Code C	\$37,900		\$9,700	\$1,200
<b>Total</b>	<b>\$82,300</b>		<b>\$250,500</b>	<b>\$2,600</b>



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

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

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

**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
<b>Abutments</b>								
Bridge Seat&pedestals								
Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Under Construction. The Abutment Is Within Contractor Stage Area</i>							
<hr/>								
Backwall								
Not Accessible	100%							
<hr/>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
<hr/>								
Footings								
Not Accessible	100%							
<hr/>								
Joint with Deck								
Generic	100%	2-4	\$38,600	LIFE			* *	
	<i>Broken/Missing Elements, Extent : Severe, Area Affected : 70%</i>							
	<i>Location : Joint Filler Is Missing At End Abutment</i>							
	<i>Spalling, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Concrete Joint Headers Along The Edge Of End Abutment</i>							
<hr/>								
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
<hr/>								
Pedestals								
Not Accessible	100%							
<hr/>								
Stem (breastwall)								
Not Accessible	100%							
<hr/>								
Walls								
Not Accessible	100%							
<hr/>								
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
<hr/>								
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
<hr/>								
Piles								
Not Accessible	100%							
<hr/>								
Walls								
Granite	100%			LIFE			* *	
<hr/>								
<b>Approaches</b>								
Pavement								
Asphalt	60%			2024	\$90,100	4	\$2,400	
Asphalt	40%	2-4	\$24,000	2024	\$60,000	4	\$2,400	
	<i>Cracks, Extent : Severe, Area Affected : 50%</i>							
	<i>Location : Random</i>							
Concrete	100%			2032			* *	4
<hr/>								
Curbs								
Concrete w/ Steel Face	100%			LIFE			* *	
	<i>Corrosion, Extent : Severe, Area Affected : 60%</i>							
	<i>Location : Along Bottom Of Steel Facing</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**  
**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
<b>Approaches</b>								
Guide Railing								
Concrete	40%			2032	**	4	\$2,900	
Concrete	60%	0-2	\$19,700	2032	**	4	\$2,900	
<i>Cracks, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Granite	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : End Approach</i>								
<i>Explanation : Covered By Construction Fence</i>								
<b>Pavement Base</b>								
Not Accessible	100%							
<b>Sidewalks</b>								
Concrete	95%			LIFE	**			
Concrete	5%	2-4	\$800	LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<b>Piers</b>								
Cap Beam								
Steel	90%			LIFE	**	2-8	\$961,100	
Steel	10%	4+	\$65,000	LIFE	**	2-8	\$961,100	
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Explanation : Paint Peeling</i>								
<b>Pier,Columns</b>								
Steel	90%			LIFE	**	2-8	\$342,000	
Steel	10%	4+	\$124,400	LIFE	**	2-8	\$342,000	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<b>Stem,Solid Pier</b>								
Not Accessible	100%							
<b>Brngs,Ancr Blts,Pads</b>								
Steel	100%			LIFE	**	2-8	\$5,000	
<i>Rust Stains, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Pedestals</b>								
Steel	100%	4+	\$60,000	LIFE	**			
<i>Corrosion, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random</i>								

**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**  
**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
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	98%	4+	\$6,700	LIFE	**			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Surface Rust</i>								
Concrete w/ Steel Face	2%	Now	\$4,100	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Left Curb Span 1</i>								
<b>Gratings</b>								
Steel	100%			LIFE	**			
<b>Railings/Parapets</b>								
Steel	100%	4+	\$10,300	LIFE	**	2-8	\$17,000	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<b>Sidewalks</b>								
Concrete	95%			2028	**	5	\$100	
Concrete	5%	2-4		2028	**	5		
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<b>Wearing Surface</b>								
Asphalt	80%			2024	\$173,700	5	\$19,300	
Asphalt	20%	2-4	\$13,000	2024	\$43,400	5	\$9,700	
<i>Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : At Joints</i>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	60%			LIFE	**	5	\$22,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Under Construction And Not Accessible</i>								
Concrete	40%	2-4	\$301,600	LIFE	**	5	\$22,600	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Delaminations, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Joints</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Explanation : Honeycombing</i>								
<b>Joints</b>								
Generic	40%			LIFE	**			
Generic	60%	Now	\$38,100	LIFE	**			
<i>Joints Missing, Extent : Severe, Area Affected : 60%</i>								
<i>Location : 3rd And 4th Joints</i>								
<i>Leakage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 1st And 2nd Joints</i>								

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

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

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

**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	
Superstructure								
Primary Member								
Concrete	80%			LIFE	**	5	\$21,600	
Concrete	20%	2-4	\$113,900	LIFE	**	5	\$21,600	
<i>Cracks, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Random At Spans 9-10 As Per Nysdot Insp.</i>								
<i>Efflorescence, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Random At Spans 9-10 As Per Nysdot Insp.</i>								
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Random At Spans 9-10 As Per Nysdot Insp.</i>								
<i>Explanation : Stalactite, Map Cracks With Wet Stains And Scaling</i>								
Steel	95%			LIFE	**	2-8	\$824,500	
Steel	5%	4+	\$92,300	LIFE	**	2-8	\$824,500	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location :</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Explanation : Paint Peeling</i>								
Secondary Member								
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 &amp; 3 At Pier 6</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 25-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2233038

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$877,900	\$2,315,900
<b>Total</b>	<b>\$877,900</b>	<b>\$2,315,900</b>
Importance Code A	\$877,900	\$1,387,900
Importance Code B		\$694,000
Importance Code C		\$234,000
<b>Total</b>	<b>\$877,900</b>	<b>\$2,315,900</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$52,800		\$208,800	
<b>Total</b>	<b>\$52,800</b>		<b>\$208,800</b>	
Importance Code A			\$139,200	
Importance Code B			\$69,600	
Importance Code C	\$52,800			
<b>Total</b>	<b>\$52,800</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	**			
Backwall								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2043	**			
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	**			
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE	**			
<b>Approaches</b>								
Pavement								
Asphalt	100%	4+	\$23,400	2024	\$234,000	4	\$4,300	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Concrete	100%			2032	**	4		
Curbs								
Concrete	100%			LIFE	**			
Embankment								
Not Accessible	100%							
Guide Railing								
Concrete	100%			2032	**	4		
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE	**			
<b>Piers</b>								
Cap Beam								
Concrete	100%			LIFE	**			
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**  
**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
Piers								
Pier,Columns								
Concrete	100%			LIFE	**			
Concrete Encased Steel	100%			LIFE	**	5		
Stem,Solid Pier								
Concrete	100%			LIFE	**			
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : At East Face Of Pier 33</i>						
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Deck Elements								
Guide Railing								
Concrete	100%			2036	**			
Mono Deck Surface								
Concrete	100%			2043	**	5		
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random</i>						
Railings/Parapets								
Concrete	100%	4+	\$42,100	2032	**	4	\$9,700	
		<i>Cracks, Extent : Light, Area Affected : 2%</i>						
		<i>Location : At Joints Along Fascia</i>						
Wearing Surface								
Concrete	100%			2032	**	5	\$58,900	
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$11,100	
Joints								
Generic	100%			LIFE	**			
Primary Member								
Steel	10%	4+	\$835,800	LIFE	**	2-8	\$1,296,200	
		<i>Corrosion, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Impact Scrapes 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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 18-Dec-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2246570

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$157,300	\$6,697,300
<b>Total</b>	<b>\$157,300</b>	<b>\$6,697,300</b>
Importance Code A	\$74,100	\$778,700
Importance Code C	\$83,100	\$5,918,600
<b>Total</b>	<b>\$157,300</b>	<b>\$6,697,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$101,300		\$1,200	
<b>Total</b>	<b>\$101,300</b>		<b>\$1,200</b>	
Importance Code A	\$22,800		\$1,200	
Importance Code B	\$15,000			
Importance Code C	\$63,500			
<b>Total</b>	<b>\$101,300</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	
<b>Abutments</b>								
Footings								
Not Accessible	100%							
Stem (breastwall)								
Concrete	100%			LIFE			**	
Tile	100%	4+	\$15,000	LIFE			**	
<i>Leakage, Extent : Light, Area Affected : 5%</i>								
<i>Location : Span 1 West Face</i>								
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE			**	
Granite	100%			LIFE			**	
<b>Approaches</b>								
Pavement								
Asphalt	80%			2025	\$4,032,500	4	\$72,500	
Asphalt	20%	4+	\$20,200	2022	\$1,008,100	4	\$48,300	
<i>Cracks, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random Locations</i>								
<i>Settlement, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random Locations</i>								
<i>Spalling, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random Locations</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE			**	
Granite	70%			LIFE			**	
Granite	30%	0-2	\$7,200	LIFE			**	
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Embankment</b>								
Not Accessible	100%							
<b>Guide Railing</b>								
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**  
**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
Approaches								
Sidewalks								
Cobblestone	100%	4+	\$6,100	LIFE				**
<i>Joint Motar Miss/Erod, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations Along East Approach</i> <i>Loose Elements, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations</i> <i>Recent Replace Evident, Extent : Light, Area Affected : 10%</i> <i>Location : Random Locations</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>								
Concrete	100%	4+	\$6,400	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations Along West Approach</i>								
Masonry	100%	4+	\$6,700	LIFE				**
<i>Broken, Missing Pave, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations Along East Approach</i>								
Piers								
Stem, Solid Pier								
Concrete	100%			LIFE				**
Tile	100%			LIFE				**
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE				**
Granite	100%			LIFE				**
<i>Settlement, Extent : Light, Area Affected : 50%</i> <i>Location : Random Locations</i>								
Median								
Concrete	20%	4+	\$5,000	LIFE		**	5	\$15,600
<i>Cracks, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations</i>								
Concrete	80%			LIFE		**	5	\$15,600
Railings/Parapets								
Concrete	100%			2033		**	4	\$32,000
<i>Cracks, Extent : Light, Area Affected : 5%</i> <i>Location : Random Locations</i>								
Steel	100%			LIFE		**	2-8	\$29,300
<i>Corrosion, Extent : Light, Area Affected : 10%</i> <i>Location : Random Locations</i>								
Sidewalks								
Concrete	100%			2029		**	5	\$82,600

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**  
**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	
Deck Elements								
Wearing Surface								
Asphalt	100%	4+	\$41,800	2025	\$836,700	5	\$30,500	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
Superstructure								
Deck, Structural								
Concrete	10%	4+	\$32,900	LIFE	**	5	\$101,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
Concrete	5%	Now	\$41,200	LIFE	**	5	\$101,500	
<i>Spalling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Span 2 Right Side</i>								
Concrete	85%			LIFE	**	5	\$101,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Random Locations</i>								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 12-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231460

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure		\$463,000
<b>Total</b>		<b>\$463,000</b>
Importance Code A		\$139,100
Importance Code B		\$139,100
Importance Code C		\$184,700
<b>Total</b>		<b>\$463,000</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$93,200	\$2,800	\$28,600	\$14,300
<b>Total</b>	<b>\$93,200</b>	<b>\$2,800</b>	<b>\$28,600</b>	<b>\$14,300</b>
Importance Code A	\$66,100		\$14,700	\$4,300
Importance Code B			\$14,000	
Importance Code C	\$27,100	\$2,800		\$10,000
<b>Total</b>	<b>\$93,200</b>	<b>\$2,800</b>	<b>\$28,600</b>	<b>\$14,300</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**  
**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>Abutments</b>								
Bridge Seat&pedestals Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Northeast Corner</i>								
<i>Explanation : Vegetation Growth At Northeast Fascia</i>								
Backwall Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads Elastomeric	100%			2043		**		
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE		**		
Pedestals Concrete	100%			LIFE		**		
Stem (breastwall) Concrete	100%			LIFE		**		
Granite	100%			LIFE		**		
<b>Wingwalls</b>								
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE		**		
Piles Not Accessible	100%							
Walls Concrete	100%			LIFE		**		
Granite	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Wingwalls</i>								
<i>Explanation : Stone Facing On Concrete Wingwalls</i>								
<b>Approaches</b>								
Pavement Asphalt	80%			2024	\$118,500	4	\$3,400	
Asphalt	20%	4+	\$3,000	2024	\$29,600	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%			2032		**	\$16,600	
<b>Curbs</b>								
Concrete w/ Steel Face	70%			LIFE		**		
Concrete w/ Steel Face	30%	Now	\$16,500	LIFE		**		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</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**  
**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>Approaches</b>								
Guide Railing								
Steel	80%			LIFE	**	2-8	\$5,800	
Steel	20%	4+	\$8,500	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>								
<hr/>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
<hr/>								
Pavement Base								
Not Accessible	100%							
<hr/>								
Sidewalks								
Concrete	90%			LIFE	**			
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : All Approach Sidewalks</i>								
Concrete	10%	4+	\$7,900	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : At All Sidewalk Approaches Next To Deck Element Sidewalk</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At All Sidewalk Approaches</i>								
<i>Explanation : Asphalt Expansion Joint</i>								
<hr/>								
<b>Piers</b>								
Stem,Solid Pier								
Concrete	100%			LIFE	**			
Granite	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>								
<hr/>								
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2043	**			
<hr/>								
Footings								
Not Accessible	100%							
<hr/>								
Mat (scour & erosion)								
Generic	100%			LIFE	**			
<hr/>								
Pedestals								
Concrete	100%			LIFE	**			
<hr/>								
Piles								
Not Accessible	100%							
<hr/>								
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	100%	4+	\$33,000	LIFE	**			
<i>Rust Stains, Extent : Light, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<hr/>								
Median								
Concrete	100%			LIFE	**	5	\$1,600	

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

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

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

**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	
Deck Elements								
Mono Deck Surface								
Concrete	100%	4+	\$5,600	2043	**	5	\$36,600	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Crack In Deck Over The Pier</i>								
Railings/Parapets								
Concrete	95%			2032	**	4	\$8,500	
Concrete	5%	4+	\$2,900	2032	**	4	\$8,500	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Steel	100%			LIFE	**	2-8	\$11,700	
Sidewalks								
Concrete	55%			2028	**	5	\$5,600	
Concrete	45%	4+	\$10,600	2028	**	5	\$2,800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Superstructure								
Deck, Structural								
Concrete	95%			LIFE	**	5	\$15,500	
<i>Rust Stains, Extent : Light, Area Affected : 2%</i>								
<i>Location : On Sip Forms Of Fascia Girders</i>								
Concrete	5%	4+	\$5,100	LIFE	**	5	\$15,500	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Corrosion To Sip Forms In Southeast Bay</i>								
Primary Member								
Steel	100%			LIFE	**	2-8	\$259,900	
<i>Rust Stains, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random Locations</i>								
Secondary Member								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 02-Jan-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 205580A

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure		\$146,300
<b>Total</b>		<b>\$146,300</b>
Importance Code C		\$146,300
<b>Total</b>		<b>\$146,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$47,100		\$2,200	
<b>Total</b>	<b>\$47,100</b>		<b>\$2,200</b>	
Importance Code A			\$300	
Importance Code B	\$7,100			
Importance Code C	\$40,000		\$1,900	
<b>Total</b>	<b>\$47,100</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**  
**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
Abutments								
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$7,100	LIFE			* *	
<i>Missing/Damaged Seal, Extent : Light, Area Affected : 20%</i>								
<i>Location : Both Abutments</i>								
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
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>								
Wingwalls								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	95%			LIFE			* *	
Concrete	5%	4+	\$10,600	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>								
Approaches								
Pavement								
Asphalt	100%			2025	\$146,300	4	\$4,000	
Concrete	100%	4+	\$4,600	2033		4	\$10,300	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : End Approach</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : End Approach</i>								
Curbs								
Concrete	100%			LIFE			* *	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Side Only</i>								
<i>Explanation : Curbs Exist On One Side Only</i>								
Embankment								
Generic	100%			LIFE			* *	
Guide Railing								
Steel	100%			LIFE		2-8	\$2,900	

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

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

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

**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								
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%			2044		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Side Only</i>								
<i>Explanation : Curbs Exist On One Side Only</i>								
Guide Railing								
Concrete	100%			2037		**		
Mono Deck Surface								
Concrete	100%	4+	\$10,100	2044		**	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%			2029		**	5	\$3,800
Superstructure								
Deck,Structural								
Concrete	100%			LIFE		**	5	\$10,600
Joints								
Generic	100%	4+	\$13,400	LIFE		**		
<i>Missing/Damaged Seal, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout Structure</i>								
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Scattered 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.

**DEPARTMENT OF TRANSPORTATION - 841  
FLUSHING BRIDGE N.BLVD WB TO VWE SB/VACANT LAND  
Asset # : 2561**

Print Date : 23-Oct-2015      **DEPARTMENT OF TRANSPORTATION - FY 2016**

<b>Asset Name</b>	: FORDHAM PLAZA METRO NORTH RAILROAD		
<b>Address</b>	: E189TH ST, PARK AVE.		
<b>Borough</b>	: BRONX	<b>Agency's Number</b>	: N/A
<b>Program / Asset #</b>	: DOT0057.000 / 2482	<b>Yr Built/Renovated</b>	: 1889 /
<b>Area Sq Ft</b>	: 40,080	<b>Project Type</b>	: HIGHWAY BRIDGES
<b>Date of Survey</b>	: 19-Dec-2012	<b>Landmark Status</b>	: NONE
<b>Areas Surveyed</b>	:		
<b>Block</b>	:	<b>Lot</b>	:
		<b>BIN</b>	: 2241839

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$152,600	\$989,500
<b>Total</b>	<b>\$152,600</b>	<b>\$989,500</b>
Importance Code A		\$440,800
Importance Code C	\$152,600	\$548,700
<b>Total</b>	<b>\$152,600</b>	<b>\$989,500</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$75,100		\$41,800	
<b>Total</b>	<b>\$75,100</b>		<b>\$41,800</b>	
Importance Code A	\$30,100		\$39,900	
Importance Code C	\$45,000		\$2,000	
<b>Total</b>	<b>\$75,100</b>		<b>\$41,800</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**  
**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>Abutments</b>								
Bridge Seat&pedestals Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Underside Of Bridge</i>						
		<i>Explanation : Not Accessible For Inspection. Requires Railroad Flagman</i>						
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) Concrete	100%			LIFE			* *	
		<i>Other Observation, Extent : Light, Area Affected : 50%</i>						
		<i>Location : 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>						
<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 Brick	100%	4+	\$15,100	2025	\$301,800	4	\$209,900	
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations</i>						
		<i>Explanation : Settlement</i>						
Concrete	100%	4+	\$82,400	2033	* *	4	\$65,300	
		<i>Settlement, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Consists Of 10 Percent Concrete And 90 Percent Concrete Pavers</i>						

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Approaches								
Curbs								
Granite	100%	4+	\$30,100	LIFE			* *	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Broken/ Missing Stone</i>								
Guide Railing								
Steel	100%			LIFE			* * 2-8	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : South Side</i>								
<i>Explanation : Only One Side Of The Bridge Has Guide Railing</i>								
Sidewalks								
Concrete								
	100%			LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
Masonry								
	100%	4+	\$2,500	LIFE			* *	
<i>Broken, Missing Pave, Extent : Light, Area Affected : 5%</i>								
<i>Location : Isolated Location</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Pavers</i>								
Deck Elements								
Curbs								
Granite	100%			LIFE			* *	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Specifically, Stone</i>								
Median								
Concrete	100%			LIFE			* * 5	\$1,800
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Pavers</i>								
Mono Deck Surface								
Concrete	100%	4+	\$23,200	2044			* * 5	\$106,500
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Consists Of 10 Percent Concrete And 90 Percent Covered By Concrete Pavers</i>								
Not Accessible								
	100%							
Railings/Parapets								
Concrete	100%			2033			* * 4	
Steel	100%			LIFE			* * 2-8	\$2,500
Sidewalks								
Concrete	100%			2029			* * 5	\$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  
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
Deck Elements								
Wearing Surface								
Concrete	90%			2033	**	5	\$140,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Consists Of 90 Percent Concrete Pavers And 10 Percent Concrete</i>								
Concrete	10%	4+	\$4,200	2033	**	5	\$70,200	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Superstructure								
Deck,Structural								
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 : Throughout</i>								
<i>Explanation : Not Accessible For Inspection. Requires Railroad Flagman.</i>								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : FORT HAMILTON BRIDGE  
**Address** : FORT HAMILTON PARKWAY  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0162.000 / 13570 **Yr Built/Renovated** : 1984 /  
**Area Sq Ft** : 14,800 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 20-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2243620

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$89,200	\$183,800
<b>Total</b>	<b>\$89,200</b>	<b>\$183,800</b>
Importance Code A	\$89,200	\$75,100
Importance Code C		\$108,700
<b>Total</b>	<b>\$89,200</b>	<b>\$183,800</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$130,700	\$11,700		
<b>Total</b>	<b>\$130,700</b>	<b>\$11,700</b>		
Importance Code A		\$5,300		
Importance Code B	\$52,900			
Importance Code C	\$77,900	\$6,400		
<b>Total</b>	<b>\$130,700</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	
Abutments								
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	25%	2-4	\$18,100	LIFE		**		
		<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations Throughout</i>						
Generic	75%			LIFE		**		
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Stem (breastwall)								
Concrete	35%	4+	\$34,800	LIFE		**		
		<i>Efflorescence, Extent : Light, Area Affected : 2%</i>						
		<i>Location : At Top Of Wall</i>						
		<i>Leakage, Extent : Light, Area Affected : 2%</i>						
		<i>Location : At Top Of Wall</i>						
		<i>Rust Stains, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Throughout Below Box Beam 12 Thru 17</i>						
		<i>Spalling, Extent : Light, Area Affected : 2%</i>						
		<i>Location : At Top Of Wall Below Box Beam 12 Thru 17</i>						
		<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Graffiti On Wall Surface</i>						
Concrete	65%			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>						
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**  
**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	
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%	4+	\$21,700	2026	\$108,700	4	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 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%			2034	**	4	\$19,300	
<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>								
<b>Railings/Parapets</b>								
Concrete	100%			2034	**			
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : North Side</i>								
<i>Explanation : Component Exists On One Side Only</i>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$20,200	LIFE	**			
<i>Settlement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Northwest Corner</i>								
<b>Piers</b>								
<b>Stem,Solid Pier</b>								
Concrete	100%			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%							
<b>Deck Elements</b>								
<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	
Deck Elements								
Mono Deck Surface								
Concrete	100%	4+	\$5,300	2045	**	5	\$21,000	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Concrete	100%			2034	**	4	\$15,800	
Sidewalks								
Concrete	100%	4+	\$19,900	2033	**	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>								
Superstructure								
Joints								
Generic	100%	2-4	\$10,700	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : All Joints</i>								
<i>Other Observation, Extent : Light, Area Affected : 33%</i>								
<i>Location : South Side</i>								
<i>Explanation : Joints On Pier South Side Only</i>								
Primary Member								
Concrete	15%	4+	\$89,200	LIFE	**	5	\$37,500	
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Box Beam 1 Near Begin Abutment</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Span 1, Box Beam 13</i>								
<i>Explanation : Prestressed Concrete. Underside Exhibits Moderate Scaling</i>								
Concrete	85%			LIFE	**	5	\$37,500	

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 31-Oct-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241409

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$97,700	
<b>Total</b>	<b>\$97,700</b>	
Importance Code A	\$38,300	
Importance Code C	\$59,400	
<b>Total</b>	<b>\$97,700</b>	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$86,300	\$23,800	\$200	
<b>Total</b>	<b>\$86,300</b>	<b>\$23,800</b>	<b>\$200</b>	
Importance Code A	\$2,700		\$200	
Importance Code B	\$34,500			
Importance Code C	\$49,100	\$23,800		
<b>Total</b>	<b>\$86,300</b>	<b>\$23,800</b>	<b>\$200</b>	



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

**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	55%	2-4	\$34,500	LIFE			**	
			<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Concrete Joint Headers (1foot 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	45%			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%							
Approaches								
Pavement								
Concrete	80%	4+	\$22,300	2034		**	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%			2034		**	4	\$71,500

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 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
Approaches								
Curbs								
Concrete w/ Steel Face	100%	4+	\$38,300	LIFE			* *	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : 18 Inches Long Broken Piece Of Curb At Southwest Side</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Southeast Approach</i>								
Embankment								
Earth	100%			LIFE			* *	
Railings/Parapets								
Steel	100%			LIFE			* *	
Sidewalks								
Concrete	100%	4+	\$16,400	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Northeast Approach Sidewalk</i>								
<i>Explanation : Con Ed Excavated 4Ft x 4Ft Opening On The Sidewalk To Repair A Gas Leak.</i>								
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE			* *	
Median								
Concrete	100%	4+	\$2,700	LIFE		5	\$1,400	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Steel	100%			LIFE		2-8	\$5,300	
Sidewalks								
Concrete	100%	4+	\$10,500	2030		5	\$3,800	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Wearing Surface								
Concrete	100%	4+	\$59,400	2034		5	\$34,400	
<i>Cracks, 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>								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 19-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2242280

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$4,562,800	\$3,217,000
<b>Total</b>	<b>\$4,562,800</b>	<b>\$3,217,000</b>
Importance Code A	\$634,600	\$467,800
Importance Code B	\$3,667,200	\$981,800
Importance Code C	\$260,900	\$1,767,400
<b>Total</b>	<b>\$4,562,800</b>	<b>\$3,217,000</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$95,300	\$3,100	\$122,100	\$20,300
<b>Total</b>	<b>\$95,300</b>	<b>\$3,100</b>	<b>\$122,100</b>	<b>\$20,300</b>
Importance Code A	\$54,200		\$100	\$8,500
Importance Code B			\$98,500	
Importance Code C	\$41,100	\$3,100	\$23,600	\$11,900
<b>Total</b>	<b>\$95,300</b>	<b>\$3,100</b>	<b>\$122,100</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**  
**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>Abutments</b>								
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			* *	
Pedestals								
Steel	80%			LIFE			* *	
Steel	20%	4+	\$28,700	LIFE			* *	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Stem (breastwall)								
Concrete Encased Steel	100%	4+	\$555,800	LIFE			* *	
<i>Efflorescence, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Spalling At Interface With Pedestals</i>								
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Piles								
Not Accessible	100%							
Walls								
Concrete	80%			LIFE			* *	
Concrete	20%	4+	\$150,200	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<b>Approaches</b>								
Pavement								
Asphalt	60%			2024	\$781,500	4	\$23,800	
Asphalt	40%	2-4	\$52,100	2024	\$521,000	4	\$23,800	
<i>Cracks, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Along Wingwalls</i>								
<i>Settlement, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Random 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
Approaches								
Curbs								
Concrete w/ Steel Face	80%			LIFE			**	
Concrete w/ Steel Face	20%	4+	\$3,900	LIFE			**	
<i>Corrosion, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random</i>								
Guide Railing								
Concrete	80%			2032			**	\$16,100
Concrete	20%	2-4	\$5,400	2032			**	\$16,100
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Spalls With Exposed Rebars</i>								
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	80%			LIFE			**	
Concrete	20%	4+	\$13,200	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random</i>								
Piers								
Pier,Columns								
Steel	70%			LIFE			**	\$1,413,400
Steel	30%	4+	\$2,709,800	LIFE			**	\$1,413,400
<i>Efflorescence, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Rust Stains, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random</i>								
Stem,Solid Pier								
Concrete	70%			LIFE			**	
Concrete	30%	4+	\$401,700	LIFE			**	
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Deck Elements								
Curbs								
Concrete w/ Steel Face	90%			LIFE			**	
Concrete w/ Steel Face	10%	Now	\$1,300	LIFE			**	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West And East Sidewalk</i>								
Gratings								
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**  
**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>								
<b>Median</b>								
Concrete	80%			LIFE	**	5	\$1,700	
Concrete	20%	4+	\$14,800	LIFE	**	5	\$1,700	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Railings/Parapets</b>								
Concrete	100%			2032	**	4	\$800	
Steel	100%			LIFE	**	2-8	\$1,900	
<hr/>								
<b>Sidewalks</b>								
Concrete	70%			2028	**	5	\$6,200	
Concrete	30%	Now	\$58,600	2028	**	5	\$3,100	
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 60%</i>								
<i>Location : West Sidewalk</i>								
<i>Spalling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : West Sidewalk</i>								
<hr/>								
<b>Wearing Surface</b>								
Asphalt	70%			2024		5	\$47,100	
Asphalt	30%	4+	\$27,900	2024		5	\$23,600	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Settlement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random Near Curbs</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	80%			LIFE	**	5	\$41,900	
Concrete	20%	4+	\$281,800	LIFE	**	5	\$41,900	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Delaminations, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Efflorescence, Extent : Light, Area Affected : 40%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Primary Member</b>								
Concrete Encased Steel	80%			LIFE	**	5	\$192,000	
Concrete Encased Steel	20%	4+	\$352,800	LIFE	**	5	\$192,000	
<i>Efflorescence, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random</i>								

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 13-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2242259

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$448,000	\$575,900
<b>Total</b>	<b>\$448,000</b>	<b>\$575,900</b>
Importance Code A		\$253,900
Importance Code B	\$379,800	\$253,900
Importance Code C	\$68,100	\$68,100
<b>Total</b>	<b>\$448,000</b>	<b>\$575,900</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$20,100		\$53,100	\$53,700
<b>Total</b>	<b>\$20,100</b>		<b>\$53,100</b>	<b>\$53,700</b>
Importance Code A			\$26,300	\$8,400
Importance Code B			\$25,500	
Importance Code C	\$20,100		\$1,300	\$45,400
<b>Total</b>	<b>\$20,100</b>		<b>\$53,100</b>	<b>\$53,700</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**  
**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
Deck Elements								
Curbs								
Granite	100%			LIFE	**			
Gratings								
Steel	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**	5		
Granite	100%			LIFE	**			
<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%			2049	**	5	\$136,300	
Railings/Parapets								
Concrete	100%			2036	**	4	\$16,700	
Steel	100%			LIFE	**	2-8	\$22,900	
Sidewalks								
Concrete	100%			2031	**	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>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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 02-Aug-2011 Landmark Status : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2231610

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$452,400	\$429,900
<b>Total</b>	<b>\$452,400</b>	<b>\$429,900</b>
Importance Code A	\$452,400	\$144,500
Importance Code B		\$121,000
Importance Code C		\$164,400
<b>Total</b>	<b>\$452,400</b>	<b>\$429,900</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$72,500	\$9,700	\$27,100	\$7,000
<b>Total</b>	<b>\$72,500</b>	<b>\$9,700</b>	<b>\$27,100</b>	<b>\$7,000</b>
Importance Code A	\$33,100		\$14,900	\$2,900
Importance Code B	\$19,800		\$12,100	
Importance Code C	\$19,600	\$9,700		\$4,100
<b>Total</b>	<b>\$72,500</b>	<b>\$9,700</b>	<b>\$27,100</b>	<b>\$7,000</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**  
**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%	4+	\$6,900	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
<i>Delaminations, Extent : Light, Area Affected : 3%</i>								
<i>Location : Northwest Corner</i>								
<i>Efflorescence, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
<i>Leakage, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Northwest Corner</i>								
<i>Other Observation, Extent : Light, Area Affected : 4%</i>								
<i>Location : Southeast Corner</i>								
<i>Explanation : Vegetation Growth</i>								
Brngs,Ancr Blts,Pads								
Elastomeric	100%	4+	\$11,100	2043			* *	
<i>Corrosion, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
<i>Rust Stains, Extent : Light, Area Affected : 4%</i>								
<i>Location : Random</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 Paved Over</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%			LIFE	**			
<i>Vegetation Growth, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Approaches								
Pavement								
Asphalt	100%	4+	\$3,300	2024	\$164,400	4	\$3,800	
<i>Cracks, Extent : Light, Area Affected : 4%</i>								
<i>Location : Random</i>								
Concrete	100%			2032	**	4	\$8,200	
<i>Cracks, Extent : Light, Area Affected : 6%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random</i>								
Curbs								
Concrete w/ Steel Face	100%	4+	\$1,100	LIFE	**			
<i>Misaligned/Bulging, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random</i>								
<i>Rust Stains, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random</i>								
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Steel	100%	4+	\$2,100	LIFE	**	2-8	\$5,800	
<i>Damaged Railing, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random</i>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%	4+	\$3,100	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</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	**			

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Piers								
Brngs,Ancr Blts,Pads								
Elastomeric	100%	4+	\$16,600	2043			* *	
			<i>Rust Stains, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</i>					
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%	4+	\$2,200	LIFE			* *	
			<i>Rust Stains, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Throughout</i>					
Mono Deck Surface								
Concrete	100%			2043			* *	\$19,400
			<i>Cracks, Extent : Light, Area Affected : 4%</i>					
			<i>Location : Random</i>					
			<i>Spalling, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</i>					
Railings/Parapets								
Concrete	100%			2032			* *	\$5,800
			<i>Cracks, Extent : Light, Area Affected : 4%</i>					
			<i>Location : Random</i>					
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</i>					
			<i>Explanation : Vegetation Growth</i>					
Steel	100%			LIFE			* *	\$8,000
Sidewalks								
Concrete	100%	4+	\$6,300	2028			* *	\$3,800
			<i>Cracks, Extent : Light, Area Affected : 4%</i>					
			<i>Location : Random</i>					
Superstructure								
Deck,Structural								
Concrete	100%			LIFE			* *	\$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			* *	

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

Maintenance \$ are aggregated over a ten-year period. Site 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	
Superstructure								
Primary Member								
Steel	15%	4+	\$452,400	LIFE	**	2-8	\$135,000	
<i>Rust Stains, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
Steel	85%			LIFE	**	2-8	\$135,000	
Secondary Member								
Steel	100%	4+	\$19,800	LIFE	**	2-8	\$113,000	
<i>Rust Stains, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 04-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2233059

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$4,345,800	\$2,610,100
<b>Total</b>	<b>\$4,345,800</b>	<b>\$2,610,100</b>
Importance Code A	\$3,574,300	\$886,000
Importance Code B	\$333,600	\$506,000
Importance Code C	\$437,900	\$1,218,100
<b>Total</b>	<b>\$4,345,800</b>	<b>\$2,610,100</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$86,500	\$4,400	\$133,100	\$2,400
<b>Total</b>	<b>\$86,500</b>	<b>\$4,400</b>	<b>\$133,100</b>	<b>\$2,400</b>
Importance Code A	\$60,600		\$80,700	
Importance Code B	\$10,600		\$52,400	
Importance Code C	\$15,300	\$4,400		\$2,400
<b>Total</b>	<b>\$86,500</b>	<b>\$4,400</b>	<b>\$133,100</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**  
**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	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	25%			LIFE			**	
Generic	75%	0-2	\$147,500	LIFE			**	
<i>Leakage, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : At Asphalt Paved Over Joints On Both Abutments</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Both Abutments</i>								
<i>Explanation : Cracks At Asphalt Paved Over The Joint</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%							
<b>Walls</b>								
Brick Veneer	100%	Now	\$9,800	LIFE			**	
<i>Other Observation, Extent : Severe, Area Affected : 60%</i>								
<i>Location : North Abutment West Side, South Abutment East And West Side</i>								
<i>Explanation : Broken/ Missing Elements</i>								
Concrete	100%	2-4	\$97,900	LIFE			**	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	90%			2026	\$496,500	4	\$13,300	
Asphalt	10%	2-4	\$5,500	2026	\$55,200	4	\$8,900	
<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>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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	Priority
<b>Approaches</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	20%	0-2	\$3,100	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Corrosion, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Concrete Spalled And Broken At Southeast And Southwest Curbs</i>								
Concrete w/ Steel Face	80%			LIFE	**			
<b>Median</b>								
Concrete	100%			LIFE	**			
Steel	100%			LIFE	**			
<b>Railings/Parapets</b>								
Steel	20%	4+	\$9,000	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Corrugated Steel Panel Is Missing On East Side</i>								
<i>Corrosion, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Steel	80%			LIFE	**			
<b>Piers</b>								
<b>Cap Beam</b>								
Steel	20%	4+	\$52,000	LIFE	**	2-8	\$192,200	
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Midspan Bottom Flange And Web</i>								
Steel	80%			LIFE	**	2-8	\$192,200	
<b>Pier,Columns</b>								
Steel	100%			LIFE	**	2-8	\$47,900	
<b>Stem,Solid Pier</b>								
Concrete	100%			LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Piers 2 And 9 Observed And Piers 1 And 10 Not Accessible</i>								
<i>Explanation : Brick Veneer Facing</i>								
<b>Brngs,Ancr Blts,Pads</b>								
Steel	10%	4+	\$13,900	LIFE	**	2-8	\$23,800	
<i>Corrosion, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : At Pier 2 And Pier 9</i>								
Steel	90%			LIFE	**	2-8	\$23,800	
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Pier</i>								
<i>Explanation : Earth And Paved</i>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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	Priority
Piers								
Pedestals								
Steel	10%	4+	\$10,600	LIFE	**			
<i>Corrosion, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Pier 2 And Pier 9</i>								
Steel	90%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	20%	4+	\$34,500	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Corrosion, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Northeast Of Bridge Deck, At Span 10</i>								
Concrete w/ Steel Face	80%			LIFE	**			
Median								
Concrete	20%	Now	\$353,200	LIFE	**	5	\$13,400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Near North And South Abutments</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Near North And South Abutments</i>								
<i>Spalling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	80%			LIFE	**	5	\$13,400	
Railings/Parapets								
Steel	100%	4+	\$43,300	LIFE	**	2-8	\$28,500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Corrugated Steel Panel Is Missing At East Side</i>								
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : East Side</i>								
<i>Explanation : Corrugated Steel Panel</i>								
Sidewalks								
Concrete	30%	0-2	\$43,600	2030	**	5	\$2,400	
<i>Spalling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Spans 1 To 4 And 9 To 11</i>								
Concrete	70%			2030	**	5	\$4,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Along The East Side Of The Bridge</i>								
<i>Explanation : Narrow (2 Feet) Concrete Sidewalk</i>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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								
Wearing Surface								
Asphalt	75%	2-4	\$249,900	2026	\$499,800	5	\$29,700	
	<i>Cracks, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : At Piers 1, 4 And 8</i>							
	<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Patches And Bulges</i>							
Asphalt	25%			2026	\$166,600	5	\$59,400	
Superstructure								
Deck,Structural								
Concrete	40%	Now	\$1,508,100	LIFE	**	5	\$56,300	
	<i>Cracks, Extent : Severe, Area Affected : 50%</i>							
	<i>Location : Throughout</i>							
	<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 15%</i>							
	<i>Location : Throughout</i>							
	<i>Spalling, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Throughout</i>							
	<i>Other Observation, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Explanation : Wood Planks Or Steel Wire Mesh Under Deck</i>							
Concrete	60%			LIFE	**	5	\$56,300	
Joints								
Generic	100%	0-2	\$46,500	LIFE	**			
	<i>Leakage, Extent : Severe, Area Affected : 50%</i>							
	<i>Location : At Pier 1, Pier 4 And Pier 8</i>							
	<i>Spalling, Extent : Severe, Area Affected : 50%</i>							
	<i>Location : All Joints</i>							
Primary Member								
Steel	10%	2-4	\$1,617,800	LIFE	**	2-8	\$567,000	
	<i>Corrosion, Extent : Severe, Area Affected : 20%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Throughout</i>							
Steel	90%			LIFE	**	2-8	\$567,000	
Secondary Member								
Steel	100%	4+	\$186,100	LIFE	**	2-8	\$791,700	
	<i>Corrosion, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout And Next To Pier 7 On West Side</i>							

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : HARLEM RIVER DRIVE RAMP BRIDGE H.D.R. 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** : 13-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2267240

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$52,567,800	\$5,940,900
<b>Total</b>	<b>\$52,567,800</b>	<b>\$5,940,900</b>
Importance Code A	\$31,148,200	\$1,768,700
Importance Code B	\$20,067,800	\$2,092,100
Importance Code C	\$1,351,800	\$2,080,100
<b>Total</b>	<b>\$52,567,800</b>	<b>\$5,940,900</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$61,100		\$44,800	\$29,500
<b>Total</b>	<b>\$61,100</b>		<b>\$44,800</b>	<b>\$29,500</b>
Importance Code A	\$35,100		\$44,800	\$26,100
Importance Code B	\$26,000			
Importance Code C				\$3,400
<b>Total</b>	<b>\$61,100</b>		<b>\$44,800</b>	<b>\$29,500</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**  
**HARLEM RIVER DRIVE RAMP BRIDGE H.D.R. 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
Abutments								
Backwall								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	40%			LIFE				**
Generic	60%	Now	\$63,300	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. Observations As Per Nysdot Inspection Report</i>					
Mat (scour & erosion)								
Earth	100%			LIFE				**
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : As Per Nysdot Inspection Report</i>					
Stem (breastwall)								
Concrete	50%			LIFE				**
Concrete	50%	2-4	\$213,000	LIFE				**
			<i>Cracks, Extent : Severe, Area Affected : 55%</i>					
			<i>Location : Random 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 Per Biennial Inspection</i>					
			<i>Spalling, Extent : Severe, Area Affected : 40%</i>					
			<i>Location : Random Per Biennial Inspection</i>					
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE				**
Piles								
Not Accessible	100%							
Walls								
Concrete	100%	4+	\$181,600	LIFE				**
			<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Spans 9 And 10 Left Curtain Wall Per Biennial Inspection</i>					
			<i>Spalling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Spans 8, 9, 12 Thru 14 Curtain Wall Per Biennial Inspection</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**  
**HARLEM RIVER DRIVE RAMP BRIDGE H.D.R. 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>Approaches</b>								
Pavement								
Asphalt	80%			2024	\$322,600	4	\$6,800	
Asphalt	20%	4+	\$40,300	2024	\$80,700	4	\$6,800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 40%</i>								
<i>Location : At Beginning Approach</i>								
<i>Settlement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Beginning Approach</i>								
<hr/>								
<b>Curbs</b>								
Concrete	15%	4+	\$700	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Span 50</i>								
Concrete	85%			LIFE		**		
Concrete w/ Steel Face	75%			LIFE		**		
Concrete w/ Steel Face	25%	4+	\$400	LIFE		**		
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Guide Railing</b>								
Concrete	40%			2032		**	\$5,200	
Concrete	60%	0-2	\$34,000	2032		**	\$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>								
Cap Beam								
Concrete	80%			LIFE		**		
Concrete	20%	4+	\$1,067,300	LIFE		**		
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random</i>								
Concrete Encased Steel	85%			LIFE		**	\$38,100	
Concrete Encased Steel	15%	4+	\$317,600	LIFE		**	\$38,100	
<i>Corrosion, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Pier, Columns</b>								
Concrete	50%			LIFE		**		
Concrete	35%	2-4	\$7,936,800	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	15%	Now	\$5,669,100	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>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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.D.R. 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>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	80%			LIFE		**		
Earth	20%	2-4	\$53,900	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+	\$26,000	LIFE		**		
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Spans 10-11, 14-15, 18-19, 21-24 Per Biennial Insp Report</i>								
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$162,400	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random On West Side</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random On West Side</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random On West Side</i>								
<b>Median</b>								
Concrete	80%			LIFE		**	5	\$22,600
Concrete	20%	4+	\$184,100	LIFE		**	5	\$22,600
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Steel	100%			LIFE		**	4-8	\$119,000
<b>Railings/Parapets</b>								
Concrete	80%			2032		**	4	\$47,100
Concrete	20%	0-2	\$266,200	2032		**	4	\$47,100
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random</i>								
<b>Sidewalks</b>								
Concrete	70%			2028		**	5	\$80,400
Concrete	30%	2-4	\$418,100	2028		**	5	\$40,200
<i>Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random</i>								
<i>Delaminations, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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.D.R. 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>Deck Elements</b>								
Wearing Surface								
Asphalt	70%			2024	\$1,022,600	5	\$135,600	
Asphalt	30%	4+	\$87,700	2024	\$438,300	5	\$67,800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Explanation : Rutting</i>								
<hr/>								
<b>Superstructure</b>								
Deck, Structural								
Concrete	25%			LIFE	**	5	\$124,200	
Concrete	75%	2-4	\$13,334,300	LIFE	**	5	\$124,200	
<i>Broken, Missing Pave, Extent : Light, Area Affected : 10%</i>								
<i>Location : Span 17, Mid-span, Right Of S1 And Directly Under Roadway Span 19 Thru 2, 22 Thru 24</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Span 19 Thru 2, 22 Thru 24</i>								
<i>Loss of Section, Extent : Light, Area Affected : 10%</i>								
<i>Location : Span 17, Netting Is Overloaded Due To Fallen Conc. Chunk</i>								
<i>Spalling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Span 19 Thru 2, 22 Thru 24</i>								
<hr/>								
<b>Joints</b>								
Generic	25%			LIFE	**			
Generic	75%	Now	\$516,100	LIFE	**			
<i>Leakage, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Most Of The Joints</i>								
<i>Other Observation, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Most Of The Joints</i>								
<i>Explanation : Paved Over</i>								
<hr/>								
<b>Primary Member</b>								
Concrete	60%			LIFE	**	5	\$464,500	
Concrete	40%	2-4	\$10,051,400	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</i>								
<i>Explanation : Vegetation Growth</i>								
Steel	75%			LIFE	**	2-8	\$417,300	
Steel	25%	4+	\$5,711,100	LIFE	**	2-8	\$417,300	
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Section Loss At Various Locations In Span 11 To 24 Per Biennial Insp Report</i>								
<i>Loss of Section, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stringer S3 In Span 19, Stringer S1 In Span 17, Floor Beam In Span 14 Span 19 Thru 2, 22 Thru 24 Per Biennial Insp Report</i>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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.D.R. 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	
Superstructure								
Secondary Member								
Concrete	75%			LIFE	**	5	\$1,046,100	
Concrete	25%	4+	\$6,185,600	LIFE	**	5	\$1,046,100	
		<i>Spalling, Extent : Severe, Area Affected : 50%</i>						
		<i>Location : At Knee Braces Based On Nysdot Inspection</i>						

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 11-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2229289

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$65,914,900	\$22,840,800
<b>Total</b>	<b>\$65,914,900</b>	<b>\$22,840,800</b>
Importance Code A	\$50,298,000	\$13,409,800
Importance Code B	\$15,315,200	\$6,516,500
Importance Code C	\$301,700	\$2,914,500
<b>Total</b>	<b>\$65,914,900</b>	<b>\$22,840,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$55,100		\$1,694,400	\$50,100
<b>Total</b>	<b>\$55,100</b>		<b>\$1,694,400</b>	<b>\$50,100</b>
Importance Code A	\$23,900		\$1,040,900	\$45,000
Importance Code B			\$653,500	
Importance Code C	\$31,300			\$5,000
<b>Total</b>	<b>\$55,100</b>		<b>\$1,694,400</b>	<b>\$50,100</b>



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



**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>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/>								
<b>Backwall</b>								
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/>								
<b>Brngs,Ancr Blts,Pads</b>								
Steel	75%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Spans Over Railroad Tracks Were Not Accessible; Observation Was Based On Nysdot Inspection Report.</i>								
Steel	25%	4+	\$160,000	LIFE		**		
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Spans Over Railroad Tracks Were Not Accessible; Observation Was Based On Nysdot Inspection Report</i>								
<hr/>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE		**		
<hr/>								
<b>Stem (breastwall)</b>								
Not Accessible	100%							
<hr/>								
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	75%			2024	\$468,900	4	\$10,100	
Asphalt	25%	2-4	\$31,300	2024	\$156,300	4	\$10,100	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Explanation : Wearing, Rutting</i>								
Concrete	100%			2032		**	4	
<hr/>								
<b>Curbs</b>								
Concrete	100%			LIFE		**		
Granite	100%			LIFE		**		
<hr/>								
<b>Embankment</b>								
Earth	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Northwest Corner</i>								
<i>Explanation : Embankment At Northwest Corner</i>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Approaches								
Guide Railing								
Concrete	80%			2032	**	4	\$5,700	
Concrete	20%	4+	\$4,400	2032	**	4	\$5,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Delaminations, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Explanation : Scaling, Spalls With Exposed Rebars</i>								
Steel	100%			LIFE	**	2-8	\$5,800	
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pavement Base								
Not Accessible	100%							
Piers								
Cap Beam								
Steel	90%			LIFE	**	2-8	\$6,678,500	
<i>Other Observation, Extent : Light, Area Affected : 95%</i>								
<i>Location : Spans 8-145</i>								
<i>Explanation : Spans Over Railroad Tracks Were Not Accessible; Observation Was Based On Nysdot Inspection Report</i>								
Steel	10%	4+	\$1,806,500	LIFE	**	2-8	\$6,678,500	
<i>Loss of Section, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random</i>								
<i>Rust Stains, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 95%</i>								
<i>Location : Spans 8-145</i>								
<i>Explanation : Spans Over Railroad Tracks Were Not Accessible; Observation Was Based On Nysdot Inspection Report</i>								
Pier,Columns								
Steel	90%			LIFE	**	2-8	\$2,758,500	
<i>Other Observation, Extent : Light, Area Affected : 95%</i>								
<i>Location : Spans 8-145</i>								
<i>Explanation : Spans Over Railroad Tracks Were Not Accessible; Observation Was Based On Nysdot Inspection Report</i>								
Steel	10%	4+	\$2,007,200	LIFE	**	2-8	\$2,758,500	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Pack Rust Between Column Members</i>								
<i>Loss of Section, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Spans 8-145</i>								
<i>Rust Stains, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 95%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Spans Over Railroad Tracks Were Not Accessible; Observation Was Based On Nysdot Inspection Report</i>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Piers								
Stem,Solid Pier								
Concrete	60%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 95%</i>								
<i>Location : Spans 8-145</i>								
<i>Explanation : Spans Over Railroad Tracks Were Not Accessible; Observation Was Based On Nysdot Inspection Report</i>								
Concrete	40%	4+	\$10,156,300	LIFE		**		
<i>Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Severe, Area Affected : 95%</i>								
<i>Location : Spans 8-145</i>								
<i>Explanation : Spans Over Railroad Tracks Were Not Accessible; Observation Was Based On Nysdot Inspection Report</i>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Pedestals								
Concrete	90%			LIFE		**		
Concrete	10%	4+	\$243,900	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 95%</i>								
<i>Location : Spans 8-145</i>								
<i>Explanation : Spans Over Railroad Tracks Were Not Accessible; Observation Was Based On Nysdot Inspection Report</i>								
Steel	95%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 95%</i>								
<i>Location : Spans 8-145</i>								
<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>								
Steel	5%	4+	\$1,215,900	LIFE		**		
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 95%</i>								
<i>Location : Spans 8-145</i>								
<i>Explanation : Spans Over Railroad Tracks Were Not Accessible; Observation Was Based On Nysdot Inspection Report</i>								

## 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**  
**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
Deck Elements								
Gratings								
Steel	60%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
<i>Explanation : Area Repaired With Wood</i>								
Steel	40%	0-2	\$2,900	LIFE		**		
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Explanation : Clogged Condition</i>								
Median								
Concrete	90%			LIFE		**	5	\$51,300
Concrete	10%	2-4	\$84,400	LIFE		**	5	\$51,300
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location :</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
Steel Grating	90%			LIFE		**	4-8	\$84,000
Steel Grating	10%	0-2	\$16,600	LIFE		**	4-8	\$84,000
<i>Loose Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
Railings/Parapets								
Concrete	80%			2032		**	4	\$84,400
Concrete	20%	2-4	\$331,600	2032		**	4	\$84,400
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
Wearing Surface								
Asphalt	90%			2024	\$1,891,900		5	\$187,200
Asphalt	10%	4+	\$42,000	2024	\$210,200		5	\$93,600
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Explanation : Wearing, Rutting</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**  
**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>Superstructure</b>								
<b>Deck,Structural</b>								
Concrete	85%			LIFE	**	5	\$255,800	
<i>Other Observation, Extent : Light, Area Affected : 95%</i>								
<i>Location : Spans 8-145</i>								
<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>								
Concrete	15%	4+	\$78,300	LIFE	**	5	\$255,800	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Corrosion, Extent : Light, Area Affected : 2%</i>								
<i>Location : Minor Corrosion To Sip Forms At Southern Spans</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 90%</i>								
<i>Location : Spans 8-145</i>								
<i>Explanation : Spans Over Railroad Tracks Were Not Accessible; Observation Was Based On Nysdot Inspection Report</i>								
<b>Joints</b>								
Generic	75%			LIFE	**			
Generic	25%	0-2	\$166,100	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Explanation : Joints Are Paved Over With Asphalt</i>								
<b>Primary Member</b>								
Concrete Encased Steel	85%			LIFE	**	5	\$1,171,000	
<i>Other Observation, Extent : Light, Area Affected : 95%</i>								
<i>Location : Spans 8-145</i>								
<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>								
Concrete Encased Steel	15%	4+	\$3,187,700	LIFE	**	5	\$1,171,000	
<i>Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
Steel	90%			LIFE	**	2-8	\$4,296,200	
<i>Other Observation, Extent : Light, Area Affected : 95%</i>								
<i>Location : Spans 8-145</i>								
<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>								
Steel	10%	4+	\$44,649,400	LIFE	**	2-8	\$4,296,200	
<i>Loss of Section, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Rust Stains, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

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

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

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

**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	
Superstructure Secondary Member Steel	90%			LIFE	* *	2-8	\$3,598,900	
	<i>Other Observation, Extent : Light, Area Affected : 95%</i>							
	<i>Location : Spans 8-145</i>							
	<i>Explanation : Spans Over Railroad Tracks Were Not Accessible</i>							
Steel	10%	4+	\$1,691,900	LIFE	* *	2-8	\$3,598,900	
	<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random</i>							
	<i>Loss of Section, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random</i>							
	<i>Rust Stains, Extent : Severe, Area Affected : 30%</i>							
	<i>Location : Random</i>							

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : 17-Dec-2012 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2229349

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$9,141,000	\$6,049,700
<b>Total</b>	<b>\$9,141,000</b>	<b>\$6,049,700</b>
Importance Code A	\$8,232,000	\$3,503,400
Importance Code B	\$611,400	\$1,685,000
Importance Code C	\$297,600	\$861,300
<b>Total</b>	<b>\$9,141,000</b>	<b>\$6,049,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$36,800		\$505,400	
<b>Total</b>	<b>\$36,800</b>		<b>\$505,400</b>	
Importance Code A	\$1,400		\$336,400	
Importance Code B			\$169,000	
Importance Code C	\$35,400			
<b>Total</b>	<b>\$36,800</b>		<b>\$505,400</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, 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%			LIFE			* *	
Backwall Concrete	100%	4+	\$17,800	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : South Abutment</i>					
			<i>Leakage, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Throughout, Due To Leakage Above</i>					
Brngs,Ancr Blts,Pads Steel	100%			LIFE			* *	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Begin And End Abutment</i>					
			<i>Explanation : Begin And End Abutment Not Accessible</i>					
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	0-2	\$79,000	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 Abutment</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	100%	4+	\$84,800	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Both Abutments</i>					
			<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Throughout</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Water Seepage</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**  
**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								
Walls								
Concrete	100%	4+	\$51,600	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Wingwalls At Both Abutments</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 2%</i>								
<i>Location : North Wingwall West Face</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>								
Approaches								
Pavement								
Asphalt	100%	4+	\$10,700	2025	\$534,600	4	\$9,800	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Both Approaches</i>								
Concrete	100%	4+	\$7,000	2033	**	4	\$15,700	
<i>Settlement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : South End Approach</i>								
Embankment								
Generic	100%			LIFE	**			
Guide Railing								
Concrete	100%			2033	**	4	\$4,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : End Approach</i>								
<i>Explanation : Concrete Barrier</i>								
Steel	100%			LIFE	**	2-8	\$4,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Begin Approach Left Side</i>								
<i>Explanation : Steel Guide Rail And Concrete Barrier</i>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piers								
Cap Beam								
Steel	100%	4+	\$317,500	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	**			

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

Maintenance \$ are aggregated over a ten-year period. Site 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	
Deck Elements								
Median								
Concrete	100%			LIFE	**	5	\$32,000	
Railings/Parapets								
Concrete	100%	4+	\$94,600	2033	**	4	\$54,800	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
<i>Loss of Section, Extent : Light, Area Affected : 2%</i>								
<i>Location : East And West Fascia At Bottom Lightpole Blisters And Joints</i>								
Wearing Surface								
Concrete	100%	4+	\$171,000	2033	**	5	\$326,700	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Scupper								
Cast Iron	100%			LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : South Abutment West Side</i>								
Superstructure								
Deck, Structural								
Concrete	100%	4+	\$4,577,400	LIFE	**	5	\$154,100	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Exposed Rebar With Light Corrosion</i>								
Joints								
Generic	100%	4+	\$75,000	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations</i>								
<i>Leakage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations</i>								
Primary Member								
Steel	5%	4+	\$3,242,600	LIFE	**	2-8	\$2,588,100	
<i>Corrosion, Extent : Light, Area Affected : 20%</i>								
<i>Location : Deteriorated Area More Severe Adjacent To Deck Joints</i>								
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Throughout At Isolated Column Locations</i>								
<i>Explanation : Bird Nesting</i>								
Steel	95%			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**

Bridge Structure		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	100%	4+	\$447,600	LIFE	**	2-8	\$2,168,100	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : 07-Jan-2013 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2267250

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$137,300	\$432,900
<b>Total</b>	<b>\$137,300</b>	<b>\$432,900</b>
Importance Code A	\$94,500	\$132,600
Importance Code C	\$42,800	\$300,200
<b>Total</b>	<b>\$137,300</b>	<b>\$432,900</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$84,800		\$1,800	
<b>Total</b>	<b>\$84,800</b>		<b>\$1,800</b>	
Importance Code A	\$49,700		\$400	
Importance Code B	\$8,400			
Importance Code C	\$26,800		\$1,400	
<b>Total</b>	<b>\$84,800</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**  
**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
<b>Abutments</b>								
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>							
<hr/>								
Backwall Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : No Access To Tracks</i>							
<hr/>								
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>							
<hr/>								
Footings Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : No Access To Tracks</i>							
<hr/>								
Joint with Deck Generic	100%	4+	\$8,400	LIFE			**	
	<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Begin Approach</i>							
<hr/>								
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>							
<hr/>								
Pedestals Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : No Access To Tracks</i>							
<hr/>								
Stem (breastwall) Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : No Access To Tracks</i>							
<hr/>								
<b>Wingwalls</b>								
Footings Not Accessible	100%							
<hr/>								
Mat (scour & erosion) Not Accessible	100%							
<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**  
**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								
Walls								
Not Accessible	100%							
Approaches								
Pavement								
Asphalt	100%	2-4	\$15,000	2025	\$300,200	4	\$4,800	
			<i>Cracks, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Both Approaches</i>					
			<i>Spalling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Both Approaches</i>					
Concrete	100%	2-4	\$42,800	2033	**	4	\$33,900	
			<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>					
Curbs								
Concrete	100%			LIFE	**			
Embankment								
Generic	100%			LIFE	**			
Guide Railing								
Concrete	100%	4+	\$1,600	2033	**	4	\$1,700	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Both Approaches</i>					
Steel	100%	4+	\$6,100	LIFE	**	2-8	\$5,800	
			<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Begin Approach</i>					
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Piers								
Cap Beam								
Not Accessible	100%							
			<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location :</i>					
			<i>Explanation : No Access To Tracks</i>					
Pier,Columns								
Not Accessible	100%							
Stem,Solid Pier								
Not Accessible	100%							
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>					

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

Maintenance \$ are aggregated over a ten-year period. Site 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								
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%							
Deck Elements								
Curbs								
Concrete	5%	4+	\$57,000	2044		* *		
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations Throughout</i>						
		<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : East Side</i>						
Concrete	95%			2044		* *		
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+	\$37,400	2037		* *		
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : West Side</i>						
		<i>Spalling, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : West Side</i>						
Railings/Parapets								
Steel	100%	4+	\$11,600	LIFE		* *	2-8	\$7,600
		<i>Corrosion, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random Locations Throughout East Side</i>						
		<i>Damaged Railing, 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+	\$7,900	LIFE		* *	5	\$2,100
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : East Side, Spans 1 Thru 6</i>						
		<i>Explanation : Missing/ Loose Mortar In Joints</i>						
Sidewalks								
Concrete	100%			2029		* *	5	\$2,700
Scupper								
Ductile 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**  
**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	
Superstructure								
Deck,Structural Concrete	10%	4+	\$22,400	LIFE	**	5	\$66,300	
	<i>Cracks, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : On Top Surface</i>							
	<i>Spalling, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random Locations Throughout</i>							
Concrete	90%			LIFE	**	5	\$66,300	
Joints								
Generic	100%	4+	\$11,800	LIFE	**			
	<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Random Locations Throughout</i>							
Primary Member								
Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : No Access To Tracks</i>							
Secondary Member								
Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : No Access To Tracks</i>							

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

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

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



Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : **HIGHLAWN AVE BRIDGE OVER BMT SEA BEACH LINE**  
**Address** : **HIGHLAWN AVE AND 8TH STREET**  
**Borough** : **BROOKLYN**      **Agency's Number** : **N/A**  
**Program / Asset #** : **DOT0172.000 / 13597**      **Yr Built/Renovated** : **1997 /**  
**Area Sq Ft** : **11,300**      **Project Type** : **HIGHWAY BRIDGES**  
**Date of Survey** : **31-Oct-2013**      **Landmark Status** : **NONE**  
**Areas Surveyed** :  
**Block** :      **Lot** :      **BIN** : **2243780**

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$192,600	\$248,400
<b>Total</b>	<b>\$192,600</b>	<b>\$248,400</b>
Importance Code A	\$142,900	
Importance Code C	\$49,700	\$248,400
<b>Total</b>	<b>\$192,600</b>	<b>\$248,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$48,800	\$3,700		
<b>Total</b>	<b>\$48,800</b>	<b>\$3,700</b>		
Importance Code A		\$500		
Importance Code B	\$21,400			
Importance Code C	\$27,400	\$3,300		
<b>Total</b>	<b>\$48,800</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**  
**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%			2051			* *	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Stem (breastwall)								
Concrete	20%	4+	\$21,400	LIFE			* *	
		<i>Cracks, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Both Abutments</i>						
		<i>Leakage, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Both Abutments</i>						
		<i>Spalling, Extent : Light, Area Affected : 1%</i>						
		<i>Location : At East Abutment</i>						
Concrete	80%			LIFE			* *	
Walls								
Concrete	100%			LIFE			* *	
Wingwalls								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE			* *	
Approaches								
Pavement								
Asphalt	100%	2-4	\$49,700	2026	\$248,400	4	\$6,700	
		<i>Cracks, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Random Locations Throughout</i>						
Concrete	100%	4+	\$1,800	2034		* *	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+	\$7,000	LIFE			* *	
		<i>Cracks, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Random Locations Throughout</i>						
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**  
**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
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Mono Deck Surface								
Concrete	100%	4+	\$5,500	2051	**	5	\$16,900	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Railings/Parapets								
Concrete	100%			2038	**	4	\$1,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Fascia</i>								
<i>Explanation : Station Building At South Fascia Does Not Have A Parapet</i>								
Steel	100%			LIFE	**	2-8	\$1,300	
<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%			2033	**	5	\$6,600	
Superstructure								
Deck, Structural								
Concrete	80%			LIFE	**	5	\$12,400	
Concrete	20%			LIFE	**	5	\$12,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Third Main Span From West Side</i>								
<i>Explanation : Composite Deck Type Structure, Full Span</i>								
Joints								
Generic	100%	0-2	\$13,100	LIFE	**			
<i>Leakage, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : At East Abutment South Side And West Abutment South Side</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Along The South Side Of The Deck</i>								
<i>Explanation : Expansion Joint Between Subway Station And Bridge Deck</i>								
Primary Member								
Prestressed Concrete Box Beam	100%	4+	\$142,900	LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : North Fascia</i>								
<i>Explanation : Cracks On Fascia Beam</i>								

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 17-Dec-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241190

<b>CAPITAL</b>		<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure			\$370,200
<b>Total</b>			<b>\$370,200</b>
Importance Code	A		\$135,600
Importance Code	B		\$135,600
Importance Code	C		\$99,000
<b>Total</b>			<b>\$370,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$78,200		\$27,400	
<b>Total</b>	<b>\$78,200</b>		<b>\$27,400</b>	
Importance Code	A	\$4,100	\$13,800	
Importance Code	B		\$13,600	
Importance Code	C	\$74,100		
<b>Total</b>	<b>\$78,200</b>		<b>\$27,400</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**  
**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	
<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>Loose Elements, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations</i>					
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	10%	4+	\$22,300	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 30%</i>					
			<i>Location : More Severe At Southeast Wingwall</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Scattered Throughout</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Southeast And Southwest Wingwalls</i>					
			<i>Explanation : Northeast And Northwest Wingwalls Not Accessible ( Buildings)</i>					
Concrete	90%			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**  
**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%			2025	\$79,200	4	\$4,000	
Asphalt	20%	4+	\$5,900	2025	\$19,800	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 : Begin 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%			2033	**	4	\$15,400	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Scattered Throughout</i>								
Concrete	20%	2-4	\$12,300	2033	**	4	\$10,300	
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Adjacent To Joints</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Embankment</b>								
Earth	100%			LIFE	**			
<b>Guide Railing</b>								
Steel	100%			LIFE	**	2-8	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : South Side Of Bridge</i>								
<i>Explanation : Steel Guide Railing On One Side Of The Bridge Only</i>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Sidewalks</b>								
Concrete	100%	4+	\$13,100	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Scattered Throughout</i>								
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Scattered Throughout</i>								
<b>Mono Deck Surface</b>								
Concrete	100%	4+	\$3,600	2044	**	5	\$28,100	
<i>Cracks, Extent : Light, Area Affected : 10%</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**  
**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	
Deck Elements								
Railings/Parapets								
Concrete	100%			2033	**	4		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Both Sides</i>								
<i>Explanation : Concrete With Corrugated Steel Sheeting On South Side. No Parapets Due To Building On North Side.</i>								
Steel	100%	4+	\$4,100	LIFE	**	2-8	\$4,600	
<i>Damaged Railing, Extent : Light, Area Affected : 1%</i>								
<i>Location : South Parapet</i>								
Sidewalks								
Concrete	100%	4+	\$10,200	2029	**	5	\$2,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Recent Replace Evident, Extent : Light, Area Affected : 2%</i>								
<i>Location : North Sidewalk</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : Scattered Throughout</i>								
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$15,100	
Primary Member								
Steel	100%			LIFE	**	2-8	\$253,300	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$212,200	

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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 29-Oct-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241959

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$288,300	\$2,166,200
<b>Total</b>	<b>\$288,300</b>	<b>\$2,166,200</b>
Importance Code A	\$249,900	\$305,700
Importance Code C	\$38,400	\$1,860,500
<b>Total</b>	<b>\$288,300</b>	<b>\$2,166,200</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$89,200	\$39,400	\$32,200	\$1,300
<b>Total</b>	<b>\$89,200</b>	<b>\$39,400</b>	<b>\$32,200</b>	<b>\$1,300</b>
Importance Code A	\$32,500	\$1,200	\$32,200	
Importance Code C	\$56,600	\$38,100		\$1,300
<b>Total</b>	<b>\$89,200</b>	<b>\$39,400</b>	<b>\$32,200</b>	<b>\$1,300</b>



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

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

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



**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+	\$30,700	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%			2026	\$1,822,100	4	\$38,000	
Concrete	100%			2034	**	4	\$76,500	
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Steel	100%	4+	\$12,400	LIFE	**	2-8	\$51,300	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South Approach East 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			* *	
Railings/Parapets								
Masonry	60%	4+	\$8,400	2034			* *	
	<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%			2034			* *	
Sidewalks								
Concrete	30%	4+	\$25,900	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 South 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 South Side</i>							
	<i>Explanation : Only One Side Of The Bridge Has Guide Railings</i>							
Median								
Concrete	100%			LIFE		5	\$1,800	
Railings/Parapets								
Concrete	100%			2034		4	\$3,600	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : At North Side</i>							
	<i>Explanation : One Side Of The Bridge Has Concrete Parapets</i>							
Steel	100%	4+	\$11,700	LIFE		2-8	\$6,700	
	<i>Corrosion, Extent : Light, Area Affected : 60%</i>							
	<i>Location : Random Locations Throughout</i>							
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : North 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%			2030	**	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%			2034	**	5	\$76,800	
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$17,000	
<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	\$285,500	
Steel	10%	4+	\$249,900	LIFE	**	2-8	\$285,500	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Bottom Flanges</i>								
<i>Explanation : Corrosion, Flaking</i>								

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 17-Dec-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241169

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure		\$551,000
<b>Total</b>		<b>\$551,000</b>
Importance Code A		\$118,800
Importance Code B		\$118,800
Importance Code C		\$313,400
<b>Total</b>		<b>\$551,000</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$50,300		\$24,200	
<b>Total</b>	<b>\$50,300</b>		<b>\$24,200</b>	
Importance Code A	\$10,300		\$12,300	
Importance Code B			\$11,900	
Importance Code C	\$40,000			
<b>Total</b>	<b>\$50,300</b>		<b>\$24,200</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**  
**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)								
Not Accessible	100%							
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location :</i>					
			<i>Explanation : No Access To The Tracks</i>					
<b>Walls</b>								
Not Accessible	100%							
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location :</i>					
			<i>Explanation : No Access To The Tracks</i>					
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%	4+	\$15,700	2025	\$313,400	4	\$6,700	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					
			<i>Settlement, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Scattered 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+	\$9,800	2033		* *	\$25,700	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Both Approaches</i>					
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE			* *	
			<i>Corrosion, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					

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

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

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

**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								
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Steel	100%	4+	\$2,300	LIFE	**	2-8	\$5,800	
			<i>Corrosion, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Scattered Throughout</i>					
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Sidewalks								
Concrete	100%			LIFE	**			
Deck Elements								
Guide Railing								
Concrete	100%			2037	**			
Median								
Concrete	100%			LIFE	**	5	\$2,800	
Mono Deck Surface								
Concrete	100%	4+	\$5,500	2044	**	5	\$33,400	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Scattered Throughout</i>					
Railings/Parapets								
Concrete	100%	4+	\$8,000	2033	**	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 : Scattered Throughout</i>					
Sidewalks								
Concrete	100%	4+	\$9,100	2029	**	5	\$5,000	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Scattered Throughout</i>					
Superstructure								
Deck, Structural								
Not Accessible	100%							
Primary Member								
Steel	100%			LIFE	**	2-8	\$221,800	
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Paint Peeling</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : 25-Jul-2011 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2243569

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$4,443,400	\$4,214,800
<b>Total</b>	<b>\$4,443,400</b>	<b>\$4,214,800</b>
Importance Code A	\$1,895,600	\$1,666,800
Importance Code B	\$436,000	\$1,425,700
Importance Code C	\$2,111,800	\$1,122,400
<b>Total</b>	<b>\$4,443,400</b>	<b>\$4,214,800</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$2,600		\$280,300	\$6,400
<b>Total</b>	<b>\$2,600</b>		<b>\$280,300</b>	<b>\$6,400</b>
Importance Code A			\$137,300	
Importance Code B			\$143,000	
Importance Code C	\$2,600			\$6,400
<b>Total</b>	<b>\$2,600</b>		<b>\$280,300</b>	<b>\$6,400</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 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
<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%	2-4	\$102,200	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%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%	4+	\$2,600	LIFE			* *	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</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>								
<b>Approaches</b>								
Pavement								
Asphalt	50%			2024	\$400,400	4	\$12,900	
Asphalt	50%	4+	\$120,100	2024	\$400,400	4	\$12,900	
<i>Settlement, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random</i>								
Curbs								
Concrete	100%			LIFE			* *	
Concrete w/ Steel Face	100%			LIFE			* *	
Pavement Base								
Not Accessible	100%							
Sidewalks								
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**  
**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
Piers								
Pier,Columns								
Steel	95%			LIFE	**	2-8	\$126,500	
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Peeling Paint And Minor Pitting</i>							
Steel	5%	4+	\$138,100	LIFE	**	2-8	\$126,500	
	<i>Corrosion, Extent : Severe, Area Affected : 60%</i>							
	<i>Location : Random</i>							
	<i>Loss of Section, Extent : Severe, Area Affected : 60%</i>							
	<i>Location : Random</i>							
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**	2-8	\$72,800	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Pedestals								
Concrete	100%	4+	\$195,700	LIFE	**			
	<i>Cracks, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : At Base Of Columns</i>							
Deck Elements								
Gratings								
Steel	100%			LIFE	**			
Median								
Concrete	100%	4+	\$469,700	LIFE	**	5	\$18,900	
	<i>Cracks, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random</i>							
	<i>Spalling, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Random</i>							
Railings/Parapets								
Concrete	100%	4+	\$685,000	2032	**	4	\$69,700	
	<i>Cracks, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random</i>							
Wearing Surface								
Concrete	100%	4+	\$1,916,200	2032	**	5	\$321,500	
	<i>Spalling, Extent : Light, Area Affected : 10%</i>							
	<i>Location : West End</i>							
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location :</i>							
	<i>Explanation : Normal Wearing</i>							
Superstructure								
Deck,Structural								
Concrete	80%			LIFE	**	5	\$148,800	
Concrete	20%	4+	\$740,900	LIFE	**	5	\$148,800	
	<i>Cracks, Extent : Severe, Area Affected : 50%</i>							
	<i>Location : Cracks With Efflorescence</i>							

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

Maintenance \$ are aggregated over a ten-year period. Site 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								
Joints								
Generic	100%	4+	\$75,500	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>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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 25-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2247640

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$223,800	\$412,900
<b>Total</b>	<b>\$223,800</b>	<b>\$412,900</b>
Importance Code C	\$223,800	\$412,900
<b>Total</b>	<b>\$223,800</b>	<b>\$412,900</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$36,900	\$2,400	\$1,100	
<b>Total</b>	<b>\$36,900</b>	<b>\$2,400</b>	<b>\$1,100</b>	
Importance Code A	\$30,500		\$1,100	
Importance Code C	\$6,300	\$2,400		
<b>Total</b>	<b>\$36,900</b>	<b>\$2,400</b>	<b>\$1,100</b>	



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

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

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

**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</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			* *	
Walls								
Concrete	100%			LIFE			* *	
<b>Approaches</b>								
<b>Pavement</b>								
Asphalt	100%	4+	\$41,300	2024	\$412,900	4	\$9,600	
			<i>Cracks, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Random</i>					
Concrete	100%	4+	\$107,300	2032		4	\$36,700	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random</i>					
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$4,600	LIFE			* *	
			<i>Corrosion, Extent : Severe, Area Affected : 40%</i>					
			<i>Location : Throughout</i>					
<b>Embankment</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**  
**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>Approaches</b>								
Guide Railing								
Concrete	100%			2032	**	4		
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random</i>					
			<i>Other Observation, Extent : Light, Area Affected : 80%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Peeling Paint</i>					
Steel	100%			LIFE	**	2-8	\$9,900	
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%	4+	\$5,100	LIFE	**			
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</i>					
			<i>Vegetation Growth, Extent : Severe, Area Affected : 40%</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)								
Earth	100%			LIFE	**			
Pedestals								
Not Accessible	100%							
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	100%	4+	\$26,000	LIFE	**			
			<i>Corrosion, Extent : Severe, Area Affected : 40%</i>					
			<i>Location : Throughout</i>					
Mono Deck Surface								
Concrete	80%			2043	**	5	\$4,800	
Concrete	20%	4+	\$1,200	2043	**	5	\$2,400	
			<i>Cracks, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Transverse Cracks 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 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	
Deck Elements								
Railings/Parapets								
Concrete	100%			2032	**	4		
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random</i>						
		<i>Other Observation, Extent : Severe, 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+	\$75,200	2028	**	5	\$10,800	
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random</i>						
		<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : At Interface With Curb</i>						
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</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 25-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2247330

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$855,400	\$1,839,600
<b>Total</b>	<b>\$855,400</b>	<b>\$1,839,600</b>
Importance Code A	\$79,200	\$22,300
Importance Code C	\$776,200	\$1,817,300
<b>Total</b>	<b>\$855,400</b>	<b>\$1,839,600</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$3,600		\$2,900	\$11,500
<b>Total</b>	<b>\$3,600</b>		<b>\$2,900</b>	<b>\$11,500</b>
Importance Code A	\$3,600		\$2,900	\$11,500
Importance Code C				
<b>Total</b>	<b>\$3,600</b>		<b>\$2,900</b>	<b>\$11,500</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**  
**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
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			* *	
			<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</i>					
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Riprap	100%			LIFE			* *	
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Riprap	100%			LIFE			* *	
Walls								
Not Accessible	100%							
Approaches								
Pavement								
Asphalt	100%	4+	\$138,000	2024	\$1,380,500	4	\$19,200	
			<i>Cracks, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Random</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : At Joint At South Abutment</i>					
Concrete	100%	4+	\$90,200	2032			* *	\$30,800
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random</i>					
Curbs								
Concrete w/ Steel Face	100%	4+	\$3,600	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 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>Approaches</b>								
Guide Railing								
Concrete	100%			2032	**	4		
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random</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	
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
Riprap	100%			LIFE	**			
<b>Pavement Base</b>								
Not Accessible	100%							
<b>Sidewalks</b>								
Concrete	100%	4+	\$73,800	LIFE	**			
		<i>Cracks, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Random</i>						
		<i>Vegetation Growth, Extent : Severe, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : In Sidewalk At Southwest Approach</i>						
		<i>Explanation : Water Main With Missing Cover</i>						
<b>Piers</b>								
<b>Cap Beam</b>								
Not Accessible	100%							
<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>								
Earth	100%			LIFE	**			
<b>Pedestals</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$79,200	LIFE	**			
		<i>Corrosion, Extent : Severe, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
<b>Mono Deck Surface</b>								
Concrete	20%	4+	\$55,000	2043	**	5	\$218,400	
		<i>Cracks, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Transverse Cracks</i>						
Concrete	80%			2043	**	5	\$436,800	

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**  
**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	
Deck Elements								
Railings/Parapets								
Concrete	100%			2032	**	4	\$23,100	
		<i>Cracks, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Random</i>						
		<i>Other Observation, Extent : Severe, Area Affected : 80%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Peeling Paint And Graffiti</i>						
Steel	100%			LIFE	**	2-8	\$68,000	
Sidewalks								
Concrete	100%	4+	\$200,800	2028	**	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>						
Superstructure								
Deck,Structural								
Not Accessible	100%							
Joints								
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</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 13-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2247320

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$88,400	\$1,065,200
<b>Total</b>	<b>\$88,400</b>	<b>\$1,065,200</b>
Importance Code A		\$22,000
Importance Code C	\$88,400	\$1,043,200
<b>Total</b>	<b>\$88,400</b>	<b>\$1,065,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$20,900		\$2,400	
<b>Total</b>	<b>\$20,900</b>		<b>\$2,400</b>	
Importance Code A			\$2,400	
Importance Code C	\$20,900			
<b>Total</b>	<b>\$20,900</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	
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)								
Earth	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Approaches								
Pavement								
Asphalt	100%	4+	\$20,900	2026	\$1,043,200	4	\$16,300	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					
			<i>Settlement, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
Curbs								
Concrete w/ Steel Face	100%			LIFE		**		
Embankment								
Earth	100%			LIFE		**		
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Sidewalks								
Concrete	100%			LIFE		**		
Piers								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
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 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
Piers								
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%			LIFE			* *	
Railings/Parapets								
Steel	100%			LIFE		2-8	\$66,900	
Sidewalks								
Concrete	100%	4+	\$88,400	2030		5	\$31,700	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Wearing Surface								
Concrete	100%			2034		5		
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								
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: 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : LIRR, AMT, CON NE BRIDGE QUEENS BLVD/AMTRAK & 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** : 13-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2247310

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$269,800	\$579,800
<b>Total</b>	<b>\$269,800</b>	<b>\$579,800</b>
Importance Code A	\$131,700	
Importance Code C	\$138,000	\$579,800
<b>Total</b>	<b>\$269,800</b>	<b>\$579,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$29,000		\$1,600	\$21,200
<b>Total</b>	<b>\$29,000</b>		<b>\$1,600</b>	<b>\$21,200</b>
Importance Code A			\$1,600	
Importance Code C	\$29,000			\$21,200
<b>Total</b>	<b>\$29,000</b>		<b>\$1,600</b>	<b>\$21,200</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**  
**LIRR, AMT, CON NE BRIDGE QUEENS BLVD/AMTRAK & 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)								
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								
Not Accessible	100%							
<b>Approaches</b>								
Pavement								
Asphalt	100%	4+	\$29,000	2026	\$579,800	4	\$8,100	
<i>Cracks, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Concrete	100%			2034			* *	4
Curbs								
Concrete w/ Steel Face	100%			LIFE			* *	
Embankment								
Generic	100%			LIFE			* *	
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Railings/Parapets								
Timber	100%			LIFE			* *	
Sidewalks								
Concrete	100%			LIFE			* *	
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</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**  
**LIRR, AMT, CON NE BRIDGE QUEENS BLVD/AMTRAK & 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
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								
Guide Railing								
Concrete	100%	4+	\$131,700	2038			**	
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Steel	100%			LIFE			**	
Railings/Parapets								
Steel	100%			LIFE		**	2-8	\$45,000
Sidewalks								
Concrete	100%			2030		**	5	\$42,400
			<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations Throughout</i>					
Wearing Surface								
Concrete	100%			2034		**	5	
Scupper								
Cast Iron	100%	2-4	\$138,000	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>					
Superstructure								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 13-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2247300

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$300,600	\$586,800
<b>Total</b>	<b>\$300,600</b>	<b>\$586,800</b>
Importance Code A	\$36,400	
Importance Code C	\$264,200	\$586,800
<b>Total</b>	<b>\$300,600</b>	<b>\$586,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$20,500	\$11,700	\$15,900	\$15,100
<b>Total</b>	<b>\$20,500</b>	<b>\$11,700</b>	<b>\$15,900</b>	<b>\$15,100</b>
Importance Code A	\$8,800	\$11,700	\$1,100	
Importance Code C	\$11,700		\$14,700	\$15,100
<b>Total</b>	<b>\$20,500</b>	<b>\$11,700</b>	<b>\$15,900</b>	<b>\$15,100</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, 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	
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)								
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								
Not Accessible	100%							
Approaches								
Pavement								
Asphalt	100%	4+	\$11,700	2026	\$586,800	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</i>					
Concrete	100%	4+	\$142,600	2034		* *	\$243,900	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations</i>					
Curbs								
Concrete w/ Steel Face	100%	4+	\$36,400	LIFE			* *	
			<i>Rust Stains, Extent : Moderate, Area Affected : 70%</i>					
			<i>Location : 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**  
**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
Approaches								
Railings/Parapets								
Concrete	100%	4+	\$8,800	2034			* *	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
Steel	100%			LIFE			* *	
Sidewalks								
Concrete	100%	4+	\$121,600	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
			<i>Vegetation Growth, Extent : Moderate, Area Affected : 30%</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								
Curbs								
Concrete w/ Steel Face	100%			LIFE			* *	
			<i>Rust Stains, Extent : Moderate, Area Affected : 60%</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%			2038			* *	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : North Side</i>					
			<i>Explanation : Concrete Barrier Acting As Guide Rail</i>					

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

Maintenance \$ are aggregated over a ten-year period. Site 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	
Deck Elements								
Railings/Parapets								
Concrete	100%			2034	**	4	\$35,100	
Steel	100%			LIFE	**	2-8	\$32,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location :</i>								
<i>Explanation : Solid Vertical Panels On Both Sides</i>								
Sidewalks								
Concrete	100%			2030	**	5	\$30,300	
Wearing Surface								
Concrete	100%			2034	**	5	\$29,500	
Superstructure								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 11-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2066002

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$521,000	\$567,800
<b>Total</b>	<b>\$521,000</b>	<b>\$567,800</b>
Importance Code A	\$261,300	\$250,300
Importance Code B	\$181,800	\$250,300
Importance Code C	\$77,900	\$67,200
<b>Total</b>	<b>\$521,000</b>	<b>\$567,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$39,700		\$50,200	
<b>Total</b>	<b>\$39,700</b>		<b>\$50,200</b>	
Importance Code A			\$25,100	
Importance Code B	\$12,800		\$25,100	
Importance Code C	\$26,900			
<b>Total</b>	<b>\$39,700</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+	\$5,400	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Southwest Corner Of Bridge</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 : Throughout Begin 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+	\$12,800	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : East Abutment</i>					
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Northeast Corner</i>					
			<i>Explanation : Masonry Facade Exhibiting Minor Mortar Loss And Vegetation Growth</i>					
Wingwalls								
Piles Not Accessible	100%							
Walls Concrete	100%	4+	\$37,500	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : End Abutment</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : End Abutment</i>					
			<i>Explanation : Concrete Wall</i>					
Approaches								
Pavement Concrete	100%	4+	\$21,500	2034			* * 4	\$38,500
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : 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**  
**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%			2034		**		
Piers								
Stem,Solid Pier Concrete	100%	4+	\$181,800	LIFE		**		
<i>Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : East Face Of Pier</i>								
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%							
Pedestals								
Concrete	100%			LIFE		**		
Piles								
Not Accessible	100%							
Deck Elements								
Mono Deck Surface Concrete	100%	4+	\$40,400	2045		**	5	\$67,200
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Railings/Parapets Concrete	100%			2034		**	4	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Explanation : Vegetation Growth</i>								
Superstructure								
Deck,Structural Concrete	100%	4+	\$261,300	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>								
Joints								
Not Accessible	100%							
Primary Member								
Steel	100%			LIFE		**	2-8	\$467,500
Secondary Member								
Steel	100%			LIFE		**	2-8	\$391,600

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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 17-Dec-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241159

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure		\$508,300
<b>Total</b>		<b>\$508,300</b>
Importance Code C		\$508,300
<b>Total</b>		<b>\$508,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$100,700		\$200	
<b>Total</b>	<b>\$100,700</b>		<b>\$200</b>	
Importance Code A	\$4,600		\$200	
Importance Code B	\$14,500			
Importance Code C	\$81,600			
<b>Total</b>	<b>\$100,700</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+	\$14,500	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+	\$21,500	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				* *
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
Approaches								
Pavement								
Asphalt	100%	4+	\$25,400	2025	\$508,300	4	\$10,900	
<i>Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</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+	\$15,800	2033	* *	4	\$41,600	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Both Abutments</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
Embankment								
Earth	100%			LIFE	* *			
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Sidewalks								
Concrete	100%			LIFE	* *			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : Northeast Approach</i>								
Piers								
Cap Beam								
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>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**  
**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	
Deck Elements								
Mono Deck Surface								
Concrete	100%	4+	\$11,700	2044	**	5	\$28,700	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
Railings/Parapets								
Concrete	100%	4+	\$4,600	2033	**	4	\$3,100	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : North Parapet</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	
Sidewalks								
Concrete	100%	4+	\$7,100	2029	**	5	\$3,900	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 26-Dec-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2241560

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$38,900	\$1,101,800
<b>Total</b>	<b>\$38,900</b>	<b>\$1,101,800</b>
Importance Code A		\$276,100
Importance Code B		\$276,100
Importance Code C	\$38,900	\$549,500
<b>Total</b>	<b>\$38,900</b>	<b>\$1,101,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$68,000		\$72,100	
<b>Total</b>	<b>\$68,000</b>		<b>\$72,100</b>	
Importance Code A	\$9,300		\$28,300	
Importance Code B	\$8,000		\$27,700	
Importance Code C	\$50,700		\$16,200	
<b>Total</b>	<b>\$68,000</b>		<b>\$72,100</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**  
**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>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%	Now	\$8,000	LIFE			* *	
<i>Missing/Damaged Seal, Extent : Light, Area Affected : 10%</i>								
<i>Location : Both Joints Damaged, Sunken And Debris Filled</i>								
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	80%			2025	\$400,500	4	\$12,100	
Asphalt	20%	4+	\$10,000	2025	\$100,100	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>								
Concrete	100%	4+	\$38,900	2033		* *	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+	\$4,700	LIFE		* *		
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Side And West Side Of North 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**  
**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>Approaches</b>								
Embankment								
Not Accessible	100%							
Guide Railing								
Steel	75%			LIFE	**	2-8	\$2,900	
Steel	25%	2-4	\$4,600	LIFE	**	2-8	\$2,900	
<i>Damaged Railing, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Approach North Side</i>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Sidewalks								
Concrete	100%	4+	\$4,000	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Southeast Sidewalk</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%							
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$11,900	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Sidewalks								
Concrete	100%			2029	**	5	\$32,400	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
Wearing Surface								
Concrete	100%	4+	\$29,100	2033	**	5	\$48,900	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Near East 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**  
**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								
Deck,Structural								
Not Accessible	100%							
Joints								
Generic	100%	2-4	\$3,600	LIFE		* *		
			<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Deteriorated Filler, Only One Joint At Span 5.</i>					
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>					
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 13-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241890

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$179,100	\$2,146,900
<b>Total</b>	<b>\$179,100</b>	<b>\$2,146,900</b>
Importance Code A		\$794,800
Importance Code B		\$899,700
Importance Code C	\$179,100	\$452,400
<b>Total</b>	<b>\$179,100</b>	<b>\$2,146,900</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$82,000		\$166,200	
<b>Total</b>	<b>\$82,000</b>		<b>\$166,200</b>	
Importance Code A			\$75,900	
Importance Code B			\$90,200	
Importance Code C	\$82,000			
<b>Total</b>	<b>\$82,000</b>		<b>\$166,200</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 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
<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%			LIFE	**			
Mat (scour & erosion) Generic	100%			LIFE	**			
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : West Abutment</i>					
			<i>Explanation : Asphalt</i>					
Stem (breastwall) Concrete	100%			LIFE	**			
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Transverse Crack In East Abutment</i>					
<b>Wingwalls</b>								
Footings Not Accessible	100%							
Mat (scour & erosion) Generic	100%			LIFE	**			
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Stress Adjacent To Wingwalls At East Abutment</i>					
			<i>Explanation : Asphalt</i>					
Piles Not Accessible	100%							
Walls Concrete	100%			LIFE	**			
<b>Approaches</b>								
Pavement Asphalt	100%	4+	\$34,800	2024	\$347,700	4	\$5,100	
Concrete	100%	4+	\$10,800	2032	**	4	\$18,500	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</i>					
Curbs Concrete w/ Steel Face	100%			LIFE	**			
Embankment Earth	100%			LIFE	**			
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : West Approach.</i>					
			<i>Explanation : Earth Embankment Is Only At The West Approach.</i>					
Guide Railing Steel	100%			LIFE	**	2-8	\$6,200	

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

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

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

**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
<b>Approaches</b>								
Pavement Base								
Not Accessible	100%							
<b>Sidewalks</b>								
Concrete	100%	4+	\$3,100	LIFE		**		
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</i>					
<b>Piers</b>								
Cap Beam								
Steel	100%			LIFE		**	2-8	\$579,000
			<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Minor Pitting Throughout, Recently Rehabbed And Painted</i>					
Pier,Columns								
Steel	100%			LIFE		**	2-8	\$1,179,800
			<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Minor Pitting Throughout, Recently Rehabbed And Painted</i>					
Stem,Solid Pier								
Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
<b>Footings</b>								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
<b>Pedestals</b>								
Not Accessible	100%							
<b>Deck Elements</b>								
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
<b>Sidewalks</b>								
Concrete	100%	4+	\$33,300	2028		**	5	\$11,900
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Light Random Map Cracking</i>					
Wearing Surface								
Concrete	100%	4+	\$72,300	2032		**	5	\$104,700
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</i>					
			<i>Spalling, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Span 1 Westbound Lane</i>					
<b>Superstructure</b>								
Deck,Structural								
Concrete	100%			LIFE		**	5	\$54,500
			<i>Efflorescence, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Light Random Cracks With Efflorescence</i>					

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

Maintenance \$ are aggregated over a ten-year period. Site 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	
Superstructure								
Joints								
Generic	100%	0-2	\$106,900	LIFE			* *	
			<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Numerous Joint Fillers Are Bulging And Failed</i>					
Primary Member								
Steel	100%			LIFE		* *	2-8	\$915,100
			<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Minor Pitting Throughout, Recently Rehabbed And Painted</i>					
Secondary Member								
Steel	100%			LIFE		* *	2-8	\$766,600
			<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Minor Pitting Throughout, Recently Rehabbed And Painted</i>					

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

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

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

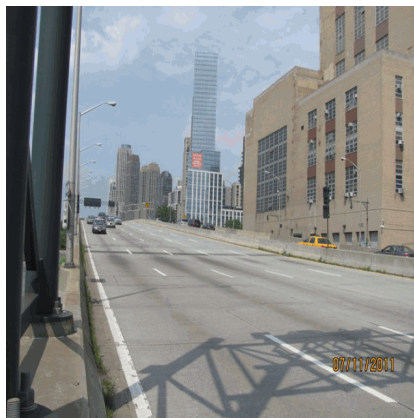
Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 11-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2257569

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$28,856,400	\$6,907,500
<b>Total</b>	<b>\$28,856,400</b>	<b>\$6,907,500</b>
Importance Code A	\$26,827,900	\$3,154,300
Importance Code B	\$925,800	\$3,077,600
Importance Code C	\$1,102,800	\$675,700
<b>Total</b>	<b>\$28,856,400</b>	<b>\$6,907,500</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$19,800		\$560,400	\$73,700
<b>Total</b>	<b>\$19,800</b>		<b>\$560,400</b>	<b>\$73,700</b>
Importance Code A	\$16,000		\$256,100	\$55,400
Importance Code B	\$3,800		\$304,300	
Importance Code C				\$18,200
<b>Total</b>	<b>\$19,800</b>		<b>\$560,400</b>	<b>\$73,700</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**  
**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
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE			**	
Steel	100%			LIFE			**	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : End Abutment</i>								
<i>Explanation : Framed Into Girder At End Abutment</i>								
Backwall								
Concrete	100%			LIFE			**	
Brngs,Ancr Blts,Pads								
Steel	100%	4+	\$16,000	LIFE			**	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : At The Begin Abutment.</i>								
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE			**	
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Pedestals								
Concrete	100%			LIFE			**	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Begin Abutment</i>								
<i>Explanation : Concrete Pedestals At Begin Abutment</i>								
Stem (breastwall)								
Concrete	100%			LIFE			**	
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Walls								
Concrete	100%			LIFE			**	
Approaches								
Pavement								
Concrete	100%			2032		4	\$36,500	**
Curbs								
Concrete	100%			LIFE			**	
Pavement Base								
Not Accessible	100%							
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**  
**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
Piers								
Pier,Columns								
Concrete Encased Steel	99%	4+	\$3,800	LIFE	**	5	\$21,900	
<i>Cracks, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random Along Column Faces</i>								
Concrete Encased Steel	1%	4+		LIFE	**	5	\$21,900	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Crack And Possible Delamination At Top Of Column At Pier 39</i>								
Steel	100%			LIFE	**	2-8	\$1,487,500	
Stem,Solid Pier								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**	2-8	\$85,100	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Deck Elements								
Median								
Concrete	100%			LIFE	**	5	\$40,500	
Mono Deck Surface								
Concrete	100%			2043	**	5	\$1,351,300	
Railings/Parapets								
Concrete	100%			2032	**	4	\$110,900	
Superstructure								
Deck,Structural								
Concrete	98%			LIFE	**	5	\$279,900	
Concrete	2%			LIFE	**	5	\$279,900	
<i>Corrosion, Extent : Light, Area Affected : 2%</i>								
<i>Location : Corrosion To S.I.P. Forms In Several Random Bays</i>								
Joints								
Generic	100%	4+	\$427,100	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 And Abutment</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	100%	4+	\$26,827,900	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>Loss of Section, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Localized Areas At Connection Of Girders To Floor Beams Particularly Below Deck Joints</i>								
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout Superstructure Steel</i>								
<i>Explanation : Faded Paint Color, Rust Flakes To Light Rusting. Paint System Is Failing.</i>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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 Secondary Member Steel	100%	4+	\$925,800	LIFE	**	2-8	\$3,938,500	
<i>Loss of Section, Extent : Moderate, Area Affected : 2%</i> <i>Location : Web Stiffeners Of Girders And Floor Beams And Steel Brackets</i> <i>Other Observation, Extent : Light, Area Affected : 2%</i> <i>Location : At Underside Of Deck At Drainage Pipes Location</i> <i>Explanation : Few Missing Drain Pipe Tie Rods And Hangers But Not In Danger Of Falling</i>								

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 20-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2230510

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$54,000	\$1,779,800
<b>Total</b>	<b>\$54,000</b>	<b>\$1,779,800</b>
Importance Code A	\$54,000	\$1,273,600
Importance Code B		\$506,300
<b>Total</b>	<b>\$54,000</b>	<b>\$1,779,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$55,900		\$169,700	
<b>Total</b>	<b>\$55,900</b>		<b>\$169,700</b>	
Importance Code A	\$30,900		\$117,500	
Importance Code B	\$12,500		\$52,300	
Importance Code C	\$12,500			
<b>Total</b>	<b>\$55,900</b>		<b>\$169,700</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**  
**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
<b>Abutments</b>								
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 Ft Wide</i>							
Concrete	5%	4+	\$8,000	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+	\$12,500	LIFE			* *	
	<i>Cracks, Extent : Light, Area Affected : 1%</i>							
	<i>Location : 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			* *	
<b>Wingwalls</b>								
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>							

**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**  
**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	
Approaches								
Pavement								
Asphalt	100%			2029	**	4	\$13,500	
Concrete	100%			2038	**	4		
Embankment								
Earth	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**			
Railings/Parapets								
Concrete	100%			2038	**			
Steel	100%			LIFE	**			
Piers								
Cap Beam								
Steel	95%			LIFE	**	2-8	\$171,600	
Steel	5%	4+	\$2,300	LIFE	**	2-8	\$171,600	
<i>Rust Stains, Extent : Light, Area Affected : 5%</i>								
<i>Location : Pier 5</i>								
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$42,700	
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	\$5,100	
Mono Deck Surface								
Concrete	100%			2051	**	5		
Railings/Parapets								
Concrete	100%			2038	**	4		
Steel	100%			LIFE	**	2-8	\$29,000	
Scupper								
Cast Iron	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Total Of 12 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	\$56,300	
<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+	\$28,600	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	99%			LIFE	**	2-8	\$945,600	
Steel	1%	4+	\$54,000	LIFE	**	2-8	\$945,600	
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Ends Of Beams At Piers</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$792,100	

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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.

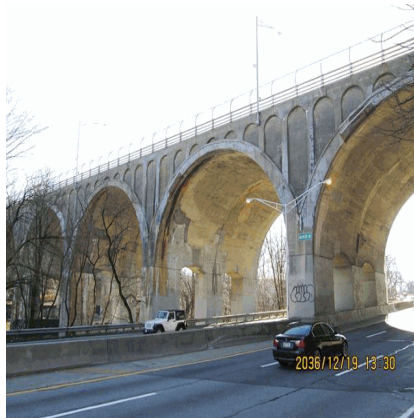
Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 19-Dec-2012 Landmark Status : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 1067150

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$1,228,800	\$2,162,300
<b>Total</b>	<b>\$1,228,800</b>	<b>\$2,162,300</b>
Importance Code A	\$774,100	\$1,618,800
Importance Code B	\$330,400	
Importance Code C	\$124,200	\$543,500
<b>Total</b>	<b>\$1,228,800</b>	<b>\$2,162,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$109,100		\$1,200	
<b>Total</b>	<b>\$109,100</b>		<b>\$1,200</b>	
Importance Code A			\$1,200	
Importance Code B	\$21,200			
Importance Code C	\$87,800			
<b>Total</b>	<b>\$109,100</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**  
**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	
Abutments								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Stem (breastwall)								
Concrete	1%	4+	\$21,200	LIFE			**	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Random Locations</i>					
			<i>Spalling, Extent : Light, Area Affected : 15%</i>					
			<i>Location : Random Locations</i>					
Concrete	99%			LIFE			**	
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Piles								
Not Accessible	100%							
Walls								
Concrete	15%	4+	\$28,800	LIFE			**	
			<i>Cracks, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Throughout</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Random Locations</i>					
			<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>					
			<i>Location : East Abutment South Side</i>					
Concrete	85%			LIFE			**	
Feature Crossed								
Bank Protection								
Generic	100%			LIFE			**	
Mat (scour & erosion)								
Generic	100%			LIFE			**	
Approaches								
Pavement								
Asphalt	100%	4+	\$21,200	2025	\$424,300	4	\$9,800	
			<i>Settlement, Extent : Moderate, Area Affected : 20%</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>					
Concrete	100%	4+	\$13,800	2033			**	\$39,000
			<i>Cracks, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : West Approach</i>					
Curbs								
Concrete w/ Steel Face	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**  
**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>								
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**	2-8	\$5,700	
			<i>Corrosion, Extent : Light, Area Affected : 5%</i>					
			<i>Location : East Approach North Side</i>					
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Sidewalks								
Concrete	100%	4+	\$4,500	LIFE	**			
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations</i>					
<b>Piers</b>								
Stem,Solid Pier								
Concrete	2%	4+	\$330,400	LIFE	**			
			<i>Cracks, Extent : Light, Area Affected : 75%</i>					
			<i>Location : Throughout</i>					
			<i>Efflorescence, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
Concrete	98%			LIFE	**			
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	**			
			<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$28,900	
			<i>Corrosion, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random Locations</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Steel Railing Without Parapets</i>					
Sidewalks								
Concrete	100%	4+	\$19,500	2029	**	5	\$11,600	
			<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>					

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

Maintenance \$ are aggregated over a ten-year period. Site 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	
Deck Elements								
Wearing Surface								
Concrete	100%	4+	\$124,200	2033	**	5	\$119,200	
	<i>Cracks, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations</i>							
	<i>Spalling, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations</i>							
Superstructure								
Primary Member								
Concrete	10%	4+	\$774,100	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 03-Jan-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2231870

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$526,900	\$644,600
<b>Total</b>	<b>\$526,900</b>	<b>\$644,600</b>
Importance Code A		\$88,600
Importance Code B	\$202,700	\$88,600
Importance Code C	\$324,300	\$467,400
<b>Total</b>	<b>\$526,900</b>	<b>\$644,600</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$33,500		\$18,200	
<b>Total</b>	<b>\$33,500</b>		<b>\$18,200</b>	
Importance Code A	\$14,000		\$9,200	
Importance Code B			\$8,900	
Importance Code C	\$19,500		\$200	
<b>Total</b>	<b>\$33,500</b>		<b>\$18,200</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%			2044		**		
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE		**		
Pedestals								
Concrete	100%			LIFE		**		
Stem (breastwall)								
Concrete	50%	4+	\$168,900	LIFE		**		
	<i>Cracks, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Begin Abutment</i>							
Concrete	50%	4+	\$33,800	LIFE		**		
	<i>Cracks, Extent : Light, Area Affected : 20%</i>							
	<i>Location : End Abutment</i>							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Piles								
Not Accessible	100%							
Walls								
Concrete	100%	4+	\$324,300	LIFE		**		
	<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Cracking/ Crumbling Of Mortar Throughout Walls</i>							
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Begin And End Wingwalls</i>							
	<i>Explanation : Wingwalls Are Concrete With Stone Facing</i>							
<b>Approaches</b>								
Pavement								
Asphalt	100%	4+	\$9,300	2025	\$467,400	4	\$10,800	
	<i>Cracks, Extent : Light, Area Affected : 50%</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%	4+	\$1,800	2033		**	4	\$5,100
	<i>Spalling, Extent : Light, Area Affected : 2%</i>							
	<i>Location : All 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**  
**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
Approaches								
Curbs								
Concrete w/ Steel Face	100%	4+	\$5,500	LIFE			**	
<i>Settlement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Both Approaches</i>								
Embankment								
Earth	100%			LIFE			**	
Guide Railing								
Steel	100%	4+	\$8,500	LIFE		2-8	\$5,800	
<i>Damaged Railing, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Begin Abutment</i>								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Sidewalks								
Concrete	100%	4+	\$2,900	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Both Approaches</i>								
<i>Settlement, Extent : Light, Area Affected : 5%</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%			2044			**	
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			**	
Mono Deck Surface								
Concrete	100%	4+	\$5,500	2044		5	\$14,300	
<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**  
**NORTHERN BLVD. BRIDGE NORTHERN BLVD./BELT CROSS ISLAND**  
**Asset # : 13711**

Bridge Structure	Current Repair		Future Replacement		Maintenance			
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	\$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>							
Sidewalks								
Concrete	100%			2029	**	5	\$400	
Scupper								
Ductile Iron	100%			LIFE	**			
Superstructure								
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>							
Joints								
Generic	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8	\$165,500	
Secondary Member								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 20-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2246540

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$24,872,600	\$2,728,700
<b>Total</b>	<b>\$24,872,600</b>	<b>\$2,728,700</b>
Importance Code A	\$22,195,000	\$332,800
Importance Code B	\$861,400	
Importance Code C	\$1,816,200	\$2,395,900
<b>Total</b>	<b>\$24,872,600</b>	<b>\$2,728,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$52,900	\$4,900	\$32,900	\$15,400
<b>Total</b>	<b>\$52,900</b>	<b>\$4,900</b>	<b>\$32,900</b>	<b>\$15,400</b>
Importance Code A	\$19,300		\$8,400	
Importance Code B	\$32,200		\$200	
Importance Code C	\$1,300	\$4,900	\$24,300	\$15,400
<b>Total</b>	<b>\$52,900</b>	<b>\$4,900</b>	<b>\$32,900</b>	<b>\$15,400</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**  
**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								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Concrete	100%	4+	\$970,700	LIFE			* *	
			<i>Spalling, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Random</i>					
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Stem (breastwall)								
Concrete	100%	2-4	\$861,400	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random</i>					
			<i>Spalling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random</i>					
Masonry: Sandstone	20%	4+	\$16,000	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : South End</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random</i>					
			<i>Leakage, Extent : Light, Area Affected : 10%</i>					
			<i>Location : South End</i>					
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random</i>					
			<i>Explanation : Loss Of Section</i>					
Masonry: Sandstone	80%			LIFE			* *	
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	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**  
**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
Wingwalls								
Walls								
Concrete	100%	4+	\$845,500	LIFE			**	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Damaged Railing, Extent : Light, Area Affected : 1%</i>								
<i>Location : Deformed Steel Railing On Top Of Wingwall</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random</i>								
<i>Explanation : Uneven Patching</i>								
Granite	90%			LIFE			**	
<i>Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Random</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South End</i>								
Granite	10%			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%			2024	\$1,872,200	4	\$30,900	
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</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</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
Guide Railing								
Steel	100%			LIFE		2-8	\$81,300	
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	95%			LIFE			**	
Concrete	5%	4+	\$300	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
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**  
**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
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Granite	95%			LIFE	**			
Granite	5%	4+	\$16,800	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Settlement, Extent : Light, Area Affected : 8%</i>								
<i>Location : Random</i>								
Gratings								
Steel	100%			LIFE	**			
Median								
Concrete	95%			LIFE	**	5	\$31,600	
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Face Of Median Curb</i>								
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Trees And Plants Are Placed On The Median</i>								
Concrete	5%	4+	\$2,500	LIFE	**	5	\$31,600	
<i>Cracks, Extent : Light, Area Affected : 8%</i>								
<i>Location : Random</i>								
Steel	100%			LIFE	**	4-8		
Railings/Parapets								
Granite	95%			LIFE	**			
Granite	5%	Now	\$130,000	LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Southeast Corner Of Structure</i>								
<i>Explanation : Chain-link Fence Placed In Front Of Failed Parapet</i>								
Steel	100%			LIFE	**	2-8	\$59,200	
Sidewalks								
Concrete	100%			2028	**	5	\$9,800	
Granite Paver	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Fascia</i>								
<i>Explanation : Paver Sidewalk At North Fascia</i>								
Wearing Surface								
Asphalt	90%			2024	\$471,300	5	\$48,600	
Asphalt	10%	4+	\$1,000	2024	\$52,400	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</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**  
**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	
Superstructure								
Deck,Structural Concrete	100%	4+	\$3,025,400	LIFE	**	5	\$39,800	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random</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 Are 5% Of Corrosion On The Steel Corrugate.</i>								
Primary Member								
Concrete	100%			LIFE	**	5	\$149,000	
Steel	100%	4+	\$19,039,600	LIFE	**	2-8	\$78,000	
<i>Corrosion, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random</i>								
Secondary Member								
Steel	100%	4+	\$16,200	LIFE	**	2-8	\$2,900	
<i>Loss of Section, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Random</i>								

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

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

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



Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 04-Nov-2013 Landmark Status : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 206672A

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$101,500	
<b>Total</b>	<b>\$101,500</b>	
Importance Code A	\$58,600	
Importance Code C	\$42,900	
<b>Total</b>	<b>\$101,500</b>	

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$50,300	\$900	\$5,000	\$3,700
<b>Total</b>	<b>\$50,300</b>	<b>\$900</b>	<b>\$5,000</b>	<b>\$3,700</b>
Importance Code A	\$44,500		\$2,800	
Importance Code B			\$2,200	
Importance Code C	\$5,800	\$900		\$3,700
<b>Total</b>	<b>\$50,300</b>	<b>\$900</b>	<b>\$5,000</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**  
**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
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	**			
Backwall								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Steel	100%	4+	\$6,400	LIFE	**			
			<i>Corrosion, Extent : Light, Area Affected : 15%</i>					
			<i>Location : East Side Bearing</i>					
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	90%			LIFE	**			
Concrete	10%	4+	\$4,300	LIFE	**			
			<i>Spalling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : East Side Pedestal</i>					
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>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Abutment</i>					
			<i>Explanation : With Brick Veneer</i>					
Approaches								
Pavement								
Concrete	100%			2034	**	4	\$2,700	
Curbs								
Granite	100%	4+	\$1,200	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>					
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**  
**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%	4+	\$1,200	LIFE			**	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Parapet Base</i>								
<b>Piers</b>								
Cap Beam								
Steel	100%			LIFE			**	\$8,200
Pier,Columns								
Steel	100%			LIFE			**	\$11,400
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								
Steel	100%			LIFE			**	\$1,400
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	90%			2045			**	
Concrete	10%	0-2	\$21,900	2045			**	
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Adjacent To Abutment</i>								
<i>Explanation : Broken Anchor Bolt At Base Of Lightpole (1 Out Of 4)</i>								
Mono Deck Surface								
Concrete	70%			2045			**	\$7,400
Concrete	30%	4+	\$5,800	2045			**	\$3,700
<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**  
**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>Deck Elements</b>								
Railings/Parapets								
Steel	90%	4+	\$4,500	LIFE	**	2-8	\$8,500	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Base Of Parapet</i>								
Steel	10%	0-2	\$5,000	LIFE	**	2-8	\$8,500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Ramp And 3rd Ramp From Top</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Ramp And 3rd Ramp From Top</i>								
<i>Explanation : Corroded, Broken Railing And Missing Connection Bolts, And/or Replaced By Fillet Welds.</i>								
<hr/>								
Scupper								
Cast Iron	100%	2-4	\$42,900	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 9 Drains</i>								
<hr/>								
<b>Superstructure</b>								
Deck, Structural								
Concrete	70%			LIFE	**	5	\$2,000	
Concrete	30%	4+	\$58,600	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>								
<hr/>								
Joints								
Generic	100%			LIFE	**			
<hr/>								
Primary Member								
Steel	100%			LIFE	**	2-8	\$33,300	
<hr/>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$27,900	

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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 30-Oct-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 206672B

**CAPITAL**

**Total**

Importance Code

**Total**

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$56,500	\$900	\$5,300	\$3,700
<b>Total</b>	<b>\$56,500</b>	<b>\$900</b>	<b>\$5,300</b>	<b>\$3,700</b>
Importance Code A	\$33,500		\$2,700	
Importance Code B	\$17,200		\$2,700	
Importance Code C	\$5,800	\$900		\$3,700
<b>Total</b>	<b>\$56,500</b>	<b>\$900</b>	<b>\$5,300</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**  
**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
<b>Abutments</b>								
Bridge Seat&pedestals								
Concrete	90%			LIFE				**
Concrete	10%	4+	\$3,600	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Begin Abutment</i>								
<hr/>								
Backwall								
Concrete	80%			LIFE				**
Concrete	20%	4+	\$1,300	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Begin Abutment</i>								
<hr/>								
Brngs,Ancr Blts,Pads								
Steel	50%			LIFE				**
Steel	50%	4+	\$6,400	LIFE				**
<i>Corrosion, Extent : Light, Area Affected : 30%</i>								
<i>Location : South Abutment</i>								
<hr/>								
Footings								
Not Accessible	100%							
<hr/>								
Joint with Deck								
Generic	100%			LIFE				**
<hr/>								
Mat (scour & erosion)								
Earth	100%			LIFE				**
<hr/>								
Pedestals								
Concrete	100%			LIFE				**
<hr/>								
Stem (breastwall)								
Concrete	100%			LIFE				**
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location :</i>								
<i>Explanation : With Brick Veneer</i>								
<hr/>								
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
<hr/>								
Mat (scour & erosion)								
Earth	100%			LIFE				**
<hr/>								
Piles								
Not Accessible	100%							
<hr/>								
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>								
<hr/>								
<b>Approaches</b>								
Pavement								
Concrete	100%			2034		4	\$2,700	

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

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

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

**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
<b>Approaches</b>								
<b>Curbs</b>								
Granite	100%			LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<hr/>								
<b>Railings/Parapets</b>								
Steel	100%			LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Missing Bolts At One Of The 4 Connections Of Railing Panels Near The Northwest Corner</i>								
<i>Corrosion, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Piers</b>								
<b>Cap Beam</b>								
Steel	100%			LIFE	**	2-8	\$8,200	
<hr/>								
<b>Pier, Columns</b>								
Steel	65%			LIFE	**	2-8	\$11,400	
Steel	35%	2-4	\$2,800	LIFE	**	2-8	\$11,400	
<i>Corrosion, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Base Of Center Pier</i>								
<hr/>								
<b>Stem, Solid Pier</b>								
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>								
<hr/>								
<b>Brngs, Ancr Blts, Pads</b>								
Steel	90%			LIFE	**	2-8	\$1,400	
Steel	10%	2-4	\$11,500	LIFE	**	2-8	\$1,400	
<i>Corrosion, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : At Pier With Brick Veneer</i>								
<hr/>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<hr/>								
<b>Pedestals</b>								
Concrete	50%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Bottom Of Column</i>								
<i>Explanation : Pedestal At Bottom Of The Pier Column</i>								
<hr/>								
Concrete	50%	4+	\$14,400	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>								

**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**  
**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
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete	99%			2045	**			
Concrete	1%	4+	\$5,500	2045	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Mono Deck Surface</b>								
Concrete	85%			2045	**	5	\$7,400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Concrete	15%	4+	\$2,300	2045	**	5	\$3,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<hr/>								
<b>Railings/Parapets</b>								
Steel	100%			LIFE	**	2-8	\$8,500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Missing Bolts Replaced By Fillet Weld Near Northeast Corner</i>								
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Scupper</b>								
Ductile Iron	100%			LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : On Deck</i>								
<i>Explanation : 5 Total Scuppers; 50 Percent Of Scuppers Are Clogged</i>								
<hr/>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	80%			LIFE	**	5	\$2,100	
Concrete	20%	4+	\$6,500	LIFE	**	5	\$2,100	
<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>								
<hr/>								
<b>Joints</b>								
Generic	50%			LIFE	**			
Generic	50%	2-4	\$2,200	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Primary Member</b>								
Steel	100%			LIFE	**	2-8	\$35,100	
<hr/>								
<b>Secondary Member</b>								
Steel	100%			LIFE	**	2-8	\$29,400	

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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 08-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2232167

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$7,215,800	\$5,227,600
<b>Total</b>	<b>\$7,215,800</b>	<b>\$5,227,600</b>
Importance Code A	\$6,208,800	\$373,700
Importance Code B	\$84,400	
Importance Code C	\$922,700	\$4,854,000
<b>Total</b>	<b>\$7,215,800</b>	<b>\$5,227,600</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$69,100	\$36,900	\$8,800	
<b>Total</b>	<b>\$69,100</b>	<b>\$36,900</b>	<b>\$8,800</b>	
Importance Code A	\$11,600	\$36,900	\$7,800	
Importance Code B	\$29,800		\$1,000	
Importance Code C	\$27,600			
<b>Total</b>	<b>\$69,100</b>	<b>\$36,900</b>	<b>\$8,800</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**  
**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+	\$13,800	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+	\$36,000	2026	\$720,100	4	\$12,100	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Brick	100%	4+	\$42,400	2026	\$2,120,300	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
Steel	25%	4+	\$11,600	LIFE			**	2-8
<i>Corrosion, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Sidewalks								
Masonry	100%			LIFE			**	
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Cracks</i>								
Steel	75%			LIFE			**	
Steel	25%	4+	\$13,800	LIFE			**	
<i>Corrosion, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Top Rail</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**  
**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
Piers								
Pier, Columns								
Concrete	90%			LIFE		**		
Concrete	10%	4+	\$84,400	LIFE		**		
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Pier 1</i>								
<i>Explanation : Area Currently Under Repair, Begin Abutment Through 84th Street.</i>								
Steel	70%			LIFE		**	2-8	\$14,200
Steel	30%	4+	\$29,800	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>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Piles								
Not Accessible	100%							
Deck Elements								
Railings/Parapets								
Concrete	75%			2034		**	4	\$110,700
Concrete	25%	4+	\$1,043,900	2034		**	4	\$73,800
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 15%</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 : 20%</i>								
<i>Location : Random, Also Concentrated At Joints</i>								
Steel	80%			LIFE		**	2-8	\$101,300
Steel	20%	4+	\$118,200	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 : 10%</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	Priority
Deck Elements								
Wearing Surface								
Asphalt	85%			2023	\$1,143,800	5	\$124,900	
Asphalt	15%	2-4	\$40,400	2026	\$201,800	5	\$62,400	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Loose Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Settlement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Asphalt Pavers</i>								
Concrete	80%			2028	**	5	\$543,100	
Concrete	20%	4+	\$310,500	2028	**	5	\$271,500	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Superstructure								
Deck,Structural								
Concrete	70%			LIFE	**	5	\$102,400	
Concrete	5%	4+	\$1,682,300	LIFE	**	5	\$102,400	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Recent Replace Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Repair To Underside Of Deck Evident</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Concrete	25%	2-4	\$3,364,500	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 : 10%</i>								
<i>Location : Throughout</i>								
Joints								
Generic	33%			LIFE	**			
Generic	67%	0-2	\$159,300	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Various Locations Per Biennial 2011</i>								
<i>Leakage, Extent : Severe, Area Affected : 50%</i>								
<i>Location : In Several Spans Per Biennial 2011</i>								

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 19-Dec-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2230209

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$117,600	\$1,791,900
<b>Total</b>	<b>\$117,600</b>	<b>\$1,791,900</b>
Importance Code B	\$64,500	
Importance Code C	\$53,000	\$1,791,900
<b>Total</b>	<b>\$117,600</b>	<b>\$1,791,900</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$44,600			\$73,500
<b>Total</b>	<b>\$44,600</b>			<b>\$73,500</b>
Importance Code A	\$28,800			
Importance Code B	\$4,700			\$52,000
Importance Code C	\$11,100			\$21,500
<b>Total</b>	<b>\$44,600</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**  
**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
Abutments								
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%							
Stem (breastwall)								
Brick Veneer	100%	4+	\$64,500	LIFE			**	
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Both Abutments</i>								
<i>Joints Missing, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Joint Mortar Missing Throughout Both Abutments</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Specifically, Stone Facing</i>								
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+	\$4,700	LIFE		**	3-5	\$84,100
<i>Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : End Abutment</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Specifically, Stone Facing</i>								
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Approaches								
Pavement								
Asphalt	100%			2025	\$1,327,800	4		\$33,400
Curbs								
Concrete w/ Steel Face	80%			LIFE		**		
Concrete w/ Steel Face	20%	4+	\$1,500	LIFE		**		
<i>Settlement, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations</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**  
**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
Approaches								
Sidewalks								
Concrete	100%			LIFE		**		
Piers								
Cap Beam								
Not Accessible	100%							
Pier, Columns								
Not Accessible	100%							
Brngs, Ancr Blts, Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	80%			LIFE		**		
Concrete w/ Steel Face	20%	2-4	\$2,700	LIFE		**		
<i>Settlement, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Scattered Throughout</i>								
Median								
Concrete	100%	4+	\$7,400	LIFE		**	5	\$1,900
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Scattered Throughout</i>								
<i>Settlement, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Scattered Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 20%</i>								
<i>Location : Scattered Throughout</i>								
Railings/Parapets								
Masonry	100%	4+	\$17,200	2033		**	5	\$900
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North And South Abutment</i>								
<i>Explanation : Missing Mortar Joints, Cracks, Broken Elements</i>								
Sidewalks								
Concrete	100%	4+	\$53,000	2029		**	5	\$4,600
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Scattered Throughout</i>								
<i>Settlement, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Scattered Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Scattered Throughout</i>								
Wearing Surface								
Asphalt	100%			2025	\$464,000		5	\$43,100
Superstructure								
Deck, Structural								
Not Accessible	100%							
Primary 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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**QUEENS BLVD. BRIDGE QUEENS BLVD/INTERBOROUGH PKWY**  
**Asset # : 2577**

Bridge Structure	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : 17-Dec-2012 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 222934A

CAPITAL		FY 2017 - 2020	FY 2021 - 2026
Bridge Structure		\$323,400	\$757,000
<b>Total</b>		<b>\$323,400</b>	<b>\$757,000</b>
Importance Code A		\$284,800	\$451,300
Importance Code B		\$38,600	\$205,900
Importance Code C			\$99,800
<b>Total</b>		<b>\$323,400</b>	<b>\$757,000</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$80,000		\$66,500	
<b>Total</b>	<b>\$80,000</b>		<b>\$66,500</b>	
Importance Code A	\$20,300		\$45,800	
Importance Code B	\$7,500		\$20,600	
Importance Code C	\$52,200			
<b>Total</b>	<b>\$80,000</b>		<b>\$66,500</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**  
**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%	0-2	\$38,600	LIFE			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</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			* *	
Approaches								
Pavement								
Asphalt	100%	4+	\$5,000	2025	\$99,800	4	\$1,600	
<i>Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Isolated Location</i>								
Concrete	100%	4+	\$7,800	2033		4	\$6,200	* *
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Random Locations</i>								
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				* *

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

Maintenance \$ are aggregated over a ten-year period. Site 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								
Embankment								
Earth	100%			LIFE	**			
Guide Railing								
Concrete	100%			2039	**	4		
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Steel	95%			LIFE	**	2-8	\$274,600	
Steel	5%	4+	\$9,300	LIFE	**	2-8	\$274,600	
<i>Corrosion, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations</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%	0-2	\$7,500	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : North End West Side Wall At Columns</i>								
Deck Elements								
Curbs								
Concrete	100%			2044	**			
Granite	100%	4+	\$5,800	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>								
Mono Deck Surface								
Concrete	100%	4+	\$6,200	2044	**	5	\$28,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
<i>Spalling, Extent : Light, Area Affected : 50%</i>								
<i>Location : On East Side Around Span 20</i>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Deck Elements								
Railings/Parapets								
Concrete	20%	4+	\$4,100	2033	**	4	\$2,100	
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Southwest Side On Top Of Parapet</i>								
Concrete	80%			2033	**	4	\$3,100	
Steel	100%			LIFE	**	2-8	\$16,300	
Sidewalks								
Cobblestone	100%			2044	**			
<i>Spalling, Extent : Light, Area Affected : 10%</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+	\$13,700	2029	**	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>								
Scupper								
Ductile Iron	100%			LIFE	**			
Superstructure								
Deck,Structural								
Concrete	100%			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>								
Joints								
Generic	80%	2-4	\$19,500	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Generic	20%			LIFE	**			
Primary Member								
Steel	95%			LIFE	**	2-8	\$199,700	
Steel	5%	4+	\$284,800	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>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$167,300	

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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 08-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2246720

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$13,368,500	\$7,941,800
<b>Total</b>	<b>\$13,368,500</b>	<b>\$7,941,800</b>
Importance Code A	\$9,458,800	\$6,734,600
Importance Code B	\$2,266,900	
Importance Code C	\$1,642,900	\$1,207,200
<b>Total</b>	<b>\$13,368,500</b>	<b>\$7,941,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$68,500		\$465,700	
<b>Total</b>	<b>\$68,500</b>		<b>\$465,700</b>	
Importance Code A	\$59,700		\$465,700	
Importance Code B				
Importance Code C	\$8,800			
<b>Total</b>	<b>\$68,500</b>		<b>\$465,700</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**  
**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
Abutments								
Bridge Seat&pedestals								
Concrete	50%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location :</i>								
<i>Explanation : Field Inspection Supplemented With Info From Biennial (typical)</i>								
Concrete	50%	4+	\$264,400	LIFE		**		
<i>Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : At Begin Abutment</i>								
Granite	100%			LIFE		**		
Backwall								
Concrete	100%			LIFE		**		
Brngs,Ancr Blts,Pads								
Steel	75%			LIFE		**		
Steel	25%	2-4	\$175,700	LIFE		**		
<i>Corrosion, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Both Abutments</i>								
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	50%			LIFE		**		
Generic	50%	2-4	\$136,900	LIFE		**		
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : End Abutment</i>								
<i>Explanation : Worn Out Filler</i>								
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Pedestals								
Concrete	85%			LIFE		**		
Concrete	15%	4+	\$90,700	LIFE		**		
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Begin Abutment</i>								
Stem (breastwall)								
Concrete	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Begin Abutment</i>								
<i>Explanation : Condition Repaired</i>								
Granite	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Begin Abutment</i>								
<i>Explanation : Condition Repaired</i>								
Wingwalls								
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**  
**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+	\$96,600	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 : 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>								
Approaches								
Pavement								
Asphalt	100%	4+	\$8,800	2026	\$439,700	4	\$8,100	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : At South Approach</i>								
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : New Asphalt At North Approach</i>								
Concrete	100%	4+	\$136,800	2034		4	\$30,800	* *
<i>Cracks, Extent : Light, Area Affected : 25%</i>								
<i>Location : At End Approach</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : End Approach</i>								
Curbs								
Concrete w/ Steel Face	100%	4+	\$6,900	LIFE			* *	
<i>Rust Stains, Extent : Light, Area Affected : 100%</i>								
<i>Location : At End Approach</i>								
Granite	100%			LIFE			* *	
Embankment								
Generic	100%			LIFE			* *	
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Railings/Parapets								
Concrete	100%			2034			* *	
Granite	100%	4+	\$4,100	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			* *	
Sidewalks								
Asphalt	100%			2026		4		
Concrete	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**  
**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>Piers</b>								
Cap Beam								
Concrete Encased Steel	100%			LIFE	**	5	\$19,100	
Steel	85%			LIFE	**	2-8	\$3,374,000	
Steel	15%	4+	\$1,202,300	LIFE	**	2-8	\$3,374,000	
<i>Corrosion, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : On Cantilever Portions Span 42 To End</i>								
<b>Pier,Columns</b>								
Concrete Encased Steel	50%			LIFE	**	5	\$900	
Concrete Encased Steel	50%	0-2	\$1,124,600	LIFE	**	5	\$900	
<i>Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : On Cantilever Portions Span 42 To End</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : On Cantilever Portions Span 42 To End</i>								
<b>Stem,Solid Pier</b>								
Masonry	80%			LIFE	**			
Masonry	20%	4+	\$968,100	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>								
<b>Brngs,Ancr Blts,Pads</b>								
Steel	60%			LIFE	**	2-8	\$173,900	
Steel	40%	2-4	\$890,200	LIFE	**	2-8	\$173,900	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Joint Freezing, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Several Spans</i>								
<i>Explanation : Missing Anchor Bolts</i>								
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Pedestals</b>								
Concrete	95%			LIFE	**			
Concrete	5%	4+	\$37,300	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>								
<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**  
**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>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE		**		
Granite	90%			LIFE		**		
Granite	10%	4+	\$6,400	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<b>Guide Railing</b>								
Concrete	95%			2038		**		
Concrete	5%	4+	\$31,100	2038		**		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Cracks, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<b>Railings/Parapets</b>								
Granite	100%			LIFE		**		
Masonry	95%			2034		**	5	\$25,900
Masonry	5%	4+	\$11,100	2034		**	5	\$12,900
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout, Concentrated At Joints</i>								
<i>Explanation : Missing Mortar And Vegetation Growth At Base Of Parapet</i>								
Steel	100%	4+	\$254,800	LIFE		**	2-8	\$23,900
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Base Of Railing, West Fascia Parapet</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : At Base Of Parapet, West Side Fascia</i>								
<i>Explanation : Vegetation Growth</i>								
<b>Sidewalks</b>								
Concrete	90%			2030		**	5	\$117,500
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Concrete	10%	4+	\$186,400	2030		**	5	\$58,700
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At East Fascia Sidewalk</i>								
<b>Wearing Surface</b>								
Concrete	95%			2034		**	5	\$650,000
Concrete	5%	2-4	\$85,100	2034		**	5	\$325,000
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Cracks, Map Cracks And Delaminated Area.</i>								
<b>Scupper</b>								
Cast Iron	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Total Of 28 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**  
**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>Superstructure</b>								
<b>Deck,Structural</b>								
Concrete	50%			LIFE	**	5	\$199,700	
Concrete	50%	4+	\$2,967,500	LIFE	**	5	\$199,700	
<i>Cracks, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 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 : Throughout</i>								
<b>Joints</b>								
Steel	80%			LIFE	**			
Steel	15%	2-4	\$411,400	LIFE	**			
<i>Leakage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Missing/damaged Seal</i>								
Steel	5%	Now	\$342,900	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : East Fascia Sidewalk</i>								
<b>Primary Member</b>								
Concrete Encased Steel	70%			LIFE	**	5	\$914,500	
Concrete Encased Steel	30%	2-4	\$3,613,200	LIFE	**	5	\$914,500	
<i>Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Corrosion, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Spans 1 to 40</i>								
<i>Explanation : Currently Under Repair</i>								
Steel	100%			LIFE	**	2-8	\$2,684,100	
<i>Rust Stains, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random Locations Throughout</i>								
<b>Secondary Member</b>								
Concrete Encased Steel	100%			2053	**			

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 08-Aug-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2249269

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$664,800	\$1,488,900
<b>Total</b>	<b>\$664,800</b>	<b>\$1,488,900</b>
Importance Code A	\$287,200	\$488,300
Importance Code B		\$439,500
Importance Code C	\$377,700	\$561,100
<b>Total</b>	<b>\$664,800</b>	<b>\$1,488,900</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$134,300		\$88,700	\$4,000
<b>Total</b>	<b>\$134,300</b>		<b>\$88,700</b>	<b>\$4,000</b>
Importance Code A	\$32,300		\$44,600	
Importance Code B	\$100		\$44,100	
Importance Code C	\$102,000			\$4,000
<b>Total</b>	<b>\$134,300</b>		<b>\$88,700</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**  
**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	
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE		* *		
Backwall								
Concrete	100%			LIFE		* *		
Brngs,Ancr Blts,Pads								
Generic	100%			LIFE		* *		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Pot Bearing</i>					
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE		* *		
Mat (scour & erosion)								
Generic	100%	4+	\$100	LIFE		* *		
			<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Random, Concrete Block Covered</i>					
			<i>Settlement, Extent : Light, Area Affected : 3%</i>					
			<i>Location : Random</i>					
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</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%	4+	\$27,200	LIFE		* *		
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</i>					
Feature Crossed								
Bank Protection								
Concrete	100%	4+	\$310,500	LIFE		* *		
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random</i>					
			<i>Spalling, Extent : Light, Area Affected : 3%</i>					
			<i>Location : Random</i>					
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</i>					
			<i>Explanation : Exposed Reinforcement</i>					

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Feature Crossed								
Mat (scour & erosion)								
Stream Bed	100%			LIFE		**		
Approaches								
Pavement								
Asphalt	80%			2024	\$463,900	4	\$8,100	
Asphalt	20%	4+	\$23,200	2028	**	4	\$8,100	
<i>Broken, Missing Pave, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random</i>								
<i>Cracks, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Random</i>								
<i>Settlement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random</i>								
Concrete	100%	4+	\$18,000	2032	**	4	\$30,800	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
Curbs								
Concrete w/ Steel Face	100%	4+	\$1,800	LIFE	**			
<i>Rust Stains, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Settlement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Northeast Corner Of Bridge</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</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%							
Sidewalks								
Concrete	100%	4+	\$2,600	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
Piers								
Cap Beam								
Concrete	100%			LIFE	**			
Pier, Columns								
Concrete	100%			LIFE	**			
Brngs, Anchr Blts, Pads								
Generic	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Pot Bearing</i>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Piers								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%	4+	\$10,900	LIFE	**			
			<i>Rust Stains, Extent : Severe, Area Affected : 75%</i>					
			<i>Location : Throughout</i>					
Railings/Parapets								
Concrete	100%	4+	\$19,600	2032	**	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</i>					
			<i>Explanation : Scaling</i>					
Steel	100%			LIFE	**	2-8	\$11,800	
			<i>Other Observation, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Close To The End Approach</i>					
			<i>Explanation : Vegetation Growth</i>					
Sidewalks								
Concrete	100%	4+	\$31,000	2028	**	5	\$11,100	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</i>					
			<i>Spalling, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Random</i>					
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</i>					
			<i>Explanation : Scaling</i>					
Wearing Surface								
Concrete	100%	4+	\$67,100	2032	**	5	\$97,200	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</i>					
Superstructure								
Deck, Structural								
Concrete	100%	4+	\$287,200	LIFE	**	5	\$48,900	
			<i>Cracks, Extent : Light, Area Affected : 3%</i>					
			<i>Location : Random</i>					
			<i>Efflorescence, Extent : Light, Area Affected : 3%</i>					
			<i>Location : Random</i>					

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

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

<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								
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.*

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 19-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 223201C

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$905,000	\$4,395,900
<b>Total</b>	<b>\$905,000</b>	<b>\$4,395,900</b>
Importance Code A	\$679,800	\$1,415,400
Importance Code B		\$964,400
Importance Code C	\$225,200	\$2,016,100
<b>Total</b>	<b>\$905,000</b>	<b>\$4,395,900</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$104,300	\$5,400	\$245,800	\$23,000
<b>Total</b>	<b>\$104,300</b>	<b>\$5,400</b>	<b>\$245,800</b>	<b>\$23,000</b>
Importance Code A	\$32,700		\$142,800	\$7,900
Importance Code B	\$27,300		\$96,700	
Importance Code C	\$44,300	\$5,400	\$6,200	\$15,100
<b>Total</b>	<b>\$104,300</b>	<b>\$5,400</b>	<b>\$245,800</b>	<b>\$23,000</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**  
**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	
<b>Abutments</b>								
Footings								
Not Accessible	100%							
<hr/>								
Stem (breastwall)								
Granite	100%			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>							
<hr/>								
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
<hr/>								
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
<hr/>								
Piles								
Not Accessible	100%							
<hr/>								
Walls								
Concrete	90%			LIFE			* *	
Concrete	10%	4+	\$3,300	LIFE			* *	
	<i>Efflorescence, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random</i>							
	<i>Rust Stains, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random</i>							
<hr/>								
<b>Approaches</b>								
Pavement								
Asphalt	60%			2024	\$1,125,800	4	\$30,200	
Asphalt	40%	2-4	\$225,200	2024	\$750,500	4	\$30,200	
	<i>Settlement, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Near End Of Approach</i>							
<hr/>								
Curbs								
Concrete w/ Steel Face	70%			LIFE			* *	
Concrete w/ Steel Face	30%	4+	\$4,700	LIFE			* *	
	<i>Corrosion, Extent : Light, Area Affected : 50%</i>							
	<i>Location : About Bottom Part</i>							
	<i>Settlement, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : Various Locations</i>							
	<i>Vegetation Growth, 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.

**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
<b>Approaches</b>								
Guide Railing								
Concrete	50%			2032	**	4	\$13,000	
Concrete	50%	4+	\$62,100	2032	**	4	\$13,000	
<i>Cracks, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Full Length</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Full Length</i>								
Granite	100%	4+	\$49,800	LIFE	**			
<i>Misaligned/Bulging, Extent : Light, Area Affected : 10%</i>								
<i>Location : On South Parapet</i>								
<hr/>								
<b>Pavement Base</b>								
Not Accessible	100%							
<hr/>								
<b>Sidewalks</b>								
Concrete	70%			LIFE	**			
Concrete	30%	2-4	\$8,300	LIFE	**			
<i>Settlement, Extent : Light, Area Affected : 5%</i>								
<i>Location : At The End</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Piers</b>								
Cap Beam								
Steel	80%			LIFE	**	2-8	\$739,200	
Steel	20%	4+	\$399,900	LIFE	**	2-8	\$739,200	
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Surface Rust Under Joints</i>								
<hr/>								
Pier,Columns								
Steel	95%			LIFE	**	2-8	\$271,300	
Steel	5%	4+	\$9,900	LIFE	**	2-8	\$271,300	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<hr/>								
Stem,Solid Pier								
Granite	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 12%</i>								
<i>Location : Pier 7</i>								
<i>Explanation : On Pier 7 Is A Solid Stem Pier</i>								
<hr/>								
Brngs,Ancr Blts,Pads								
Steel	80%			LIFE	**	2-8	\$500	
Steel	20%	4+	\$5,300	LIFE	**	2-8	\$500	
<i>Corrosion, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Pier 5</i>								
<hr/>								
<b>Footings</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**  
**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
Deck Elements								
Curbs								
Concrete w/ Steel Face	70%			LIFE	**			
Concrete w/ Steel Face	30%	4+	\$18,500	LIFE	**			
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								
Railings/Parapets								
Concrete	100%			2032	**	4	\$2,800	
Granite	100%			LIFE	**			
Steel	88%			LIFE	**	2-8	\$11,500	
Steel	12%	4+	\$4,200	LIFE	**	2-8	\$11,500	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : In Spans 2 And 3, Bottom</i>								
Sidewalks								
Concrete	70%			2028	**	5	\$10,800	
Concrete	30%	4+	\$19,500	2028	**	5	\$5,400	
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Wearing Surface								
Asphalt	75%			2024		5	\$12,400	
Asphalt	25%	4+	\$7,000	2024		5	\$6,200	
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
Concrete	100%			2032	**	5	\$12,600	
Superstructure								
Deck, Structural								
Concrete	85%			LIFE	**	5	\$11,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Temporary Concrete Barrier Is Used For One Lane Closure</i>								
Concrete	15%	4+	\$88,900	LIFE	**	5	\$11,800	
<i>Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Minor Cracks With Spalls In Span 2 To 5</i>								
Joints								
Generic	100%			LIFE	**			
Primary Member								
Steel	90%			LIFE	**	2-8	\$724,700	
Steel	10%	4+	\$79,100	LIFE	**	2-8	\$724,700	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Explanation : Paint Peeling</i>								
Secondary Member								
Steel	90%			LIFE	**	2-8	\$607,100	
Steel	10%	4+	\$17,400	LIFE	**	2-8	\$607,100	
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Under Joint Piers 2 And 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  
SOUTH ST RAMP TO FDR/SOUTH ST  
Asset # : 4325**

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : 18-Jul-2011 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 223201D

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$834,000	\$4,279,400
<b>Total</b>	<b>\$834,000</b>	<b>\$4,279,400</b>
Importance Code A	\$659,900	\$431,100
Importance Code B	\$128,800	\$3,784,900
Importance Code C	\$45,300	\$63,400
<b>Total</b>	<b>\$834,000</b>	<b>\$4,279,400</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$31,700		\$418,300	\$14,200
<b>Total</b>	<b>\$31,700</b>		<b>\$418,300</b>	<b>\$14,200</b>
Importance Code A			\$38,700	\$14,200
Importance Code B			\$379,600	
Importance Code C	\$31,700			
<b>Total</b>	<b>\$31,700</b>		<b>\$418,300</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**  
**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
<b>Abutments</b>								
Bridge Seat&pedestals								
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>Piers</b>								
Cap Beam								
Steel	60%	4+	\$174,600	LIFE			* * 2-8	\$224,300
			<i>Corrosion, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random</i>					
Steel	30%			LIFE			* * 2-8	\$224,300
Steel	10%			LIFE			* * 2-8	\$224,300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Pier 2</i>					
			<i>Explanation : Covered By Temporary Shielding</i>					
Pier,Columns								
Steel	65%			LIFE			* * 2-8	\$105,400
Steel	35%	4+	\$128,800	LIFE			* * 2-8	\$105,400
			<i>Corrosion, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random</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>					
Pedestals								
Concrete	100%			LIFE			* *	
<b>Deck Elements</b>								
Railings/Parapets								
Concrete	100%			2032			* * 4	\$28,300

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**  
**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	
<b>Deck Elements</b>								
<b>Wearing Surface</b>								
Concrete	50%			2032	**	5	\$63,400	
Concrete	50%	4+	\$45,300	2032	**	5	\$31,700	
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Concrete	85%	4+	\$61,500	LIFE	**	5	\$22,600	
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Topside Of Deck</i>								
Concrete	15%	4+	\$10,900	LIFE	**	5	\$22,600	
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Topside Of Deck</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Spans 2 And 3</i>								
<i>Explanation : Covered By Temporary Shielding</i>								
<hr/>								
<b>Joints</b>								
Generic	100%			LIFE	**			
<hr/>								
<b>Primary Member</b>								
Steel	85%	4+	\$412,900	LIFE	**	2-8	\$88,700	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
Steel	15%			LIFE	**	2-8	\$88,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Span 2 And 3</i>								
<i>Explanation : Covered By Temporary Shielding</i>								
<hr/>								
<b>Secondary Member</b>								
Steel	85%			LIFE	**	2-8	\$2,903,700	
<i>Rust Stains, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random</i>								
Steel	15%			LIFE	**	2-8	\$2,903,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Spans 2 And 3</i>								
<i>Explanation : Covered With Temporary Shielding</i>								

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : STILLWELL AVE. BRIDGE  
**Address** : CONEY ISLAND CREEK  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0164.000 / 13572 **Yr Built/Renovated** :  
**Area Sq Ft** : 17,000 **Project Type** : HIGHWAY BRIDGES  
**Date of Survey** : 11-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2240540

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$379,700	\$35,900
<b>Total</b>	<b>\$379,700</b>	<b>\$35,900</b>
Importance Code B	\$155,100	
Importance Code C	\$224,600	\$35,900
<b>Total</b>	<b>\$379,700</b>	<b>\$35,900</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$72,700		\$500	
<b>Total</b>	<b>\$72,700</b>		<b>\$500</b>	
Importance Code A	\$30,100		\$500	
Importance Code C	\$42,600			
<b>Total</b>	<b>\$72,700</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
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+	\$155,100	LIFE				* *
			<i>Missing/Damaged Seal, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Random Throughout Concrete Headers</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : North Abutment</i>					
			<i>Explanation : Water Leakage Through Joint</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								
Not Accessible	100%							
Feature Crossed								
Bank Protection								
Riprap	100%			LIFE				* *
Mat (scour & erosion)								
Earth	100%			LIFE				* *
Approaches								
Pavement								
Concrete	100%	4+	\$62,800	2034				
			<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**  
**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
Approaches								
Curbs								
Concrete w/ Steel Face	100%	4+	\$16,300	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	\$5,600	
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Sidewalks								
Concrete	100%	2-4	\$161,800	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>								
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								
Curbs								
Concrete w/ Steel Face	100%	4+	\$13,800	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>								
Railings/Parapets								
Steel	100%			LIFE		2-8	\$10,900	

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

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

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

**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	
Deck Elements								
Sidewalks								
Concrete	100%	4+	\$15,600	2030	**	5	\$5,100	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Wearing Surface								
Concrete	100%	4+	\$27,000	2034	**	5	\$35,900	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : East Side Of The Deck</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 17-Dec-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2241170

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure		\$636,700
<b>Total</b>		<b>\$636,700</b>
Importance Code B		\$71,900
Importance Code C		\$564,800
<b>Total</b>		<b>\$636,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$60,600		\$9,100	
<b>Total</b>	<b>\$60,600</b>		<b>\$9,100</b>	
Importance Code A			\$100	
Importance Code B	\$14,700		\$7,200	
Importance Code C	\$45,800		\$1,700	
<b>Total</b>	<b>\$60,600</b>		<b>\$9,100</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**  
**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+	\$14,700	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								
Concrete	100%			LIFE			* *	
Not Accessible	100%							
<b>Approaches</b>								
Pavement								
Asphalt	100%	4+	\$28,200	2025	\$564,800	4	\$12,100	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</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+	\$6,900	2033			* *	4
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE			* *	
Embankment								
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**  
**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>								
Guide Railing Concrete	100%			2033	**	4		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Both Approaches</i>								
<i>Explanation : Consists Of 50 Percent Concrete and 50 Percent Metal Fence</i>								
Steel	100%			LIFE	**	2-8		
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
<b>Sidewalks</b>								
Concrete	95%			LIFE	**			
Concrete	5%	4+	\$1,500	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random Locations</i>								
<b>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<b>Railings/Parapets</b>								
Concrete	100%			2033	**	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	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
<b>Sidewalks</b>								
Concrete	100%			2029	**	5	\$3,500	
<b>Wearing Surface</b>								
Concrete	100%	4+	\$9,300	2033	**	5	\$20,600	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<b>Superstructure</b>								
<b>Deck, Structural</b>								
Concrete	100%			LIFE	**	5	\$8,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Span 1 Underside Of Deck</i>								
<i>Explanation : Stay In Place Forms Only At Utility Bays. Remainder Concrete Topping Over Box Beams</i>								
<b>Primary Member</b>								
Prestressed Concrete Box Beam	100%			LIFE	**			
<b>Secondary Member</b>								
Steel	100%			LIFE	**	2-8	\$112,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Span 1</i>								
<i>Explanation : Secondary Steel Members Located Inside Of Box Beams Are 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  
TIFFANY STREET BRIDGE TIFFANY ST./AMTRAK  
Asset # : 13716**

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : 19-Jul-2011 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2241930

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$103,800	\$660,900
<b>Total</b>	<b>\$103,800</b>	<b>\$660,900</b>
Importance Code C	\$103,800	\$660,900
<b>Total</b>	<b>\$103,800</b>	<b>\$660,900</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$34,800		\$700	\$7,200
<b>Total</b>	<b>\$34,800</b>		<b>\$700</b>	<b>\$7,200</b>
Importance Code A			\$700	\$7,200
Importance Code C	\$34,800			
<b>Total</b>	<b>\$34,800</b>		<b>\$700</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**  
**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
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			* *	
			<i>Misaligned/Bulging, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Both Sides</i>					
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Walls								
Not Accessible	100%							
Approaches								
Pavement								
Asphalt	100%	4+	\$11,600	2024	\$579,800	4	\$8,100	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Cracks And Small Potholes At Eastern Approach</i>					
Concrete	100%	4+	\$18,000	2032		4	\$30,800	
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Random</i>					
			<i>Spalling, Extent : Light, Area Affected : 2%</i>					
			<i>Location : At Joint Of West Abutment</i>					
Curbs								
Concrete w/ Steel Face	100%			LIFE			* *	
			<i>Corrosion, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</i>					
Guide Railing								
Concrete	100%			2032		4	* *	
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%	4+	\$5,100	LIFE			* *	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Throughout, Crack At Northeast</i>					

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

Maintenance \$ are aggregated over a ten-year period. Site 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	
Piers								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE			* *	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
Railings/Parapets								
Concrete	100%			2032		* *	4	\$14,300
Steel	100%			LIFE		* *	2-8	\$19,700
Sidewalks								
Concrete	100%	4+	\$47,800	2028		* *	5	\$17,100
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Map Cracking At Southern Sidewalk, Random Cracks Throughout Both</i>								
Wearing Surface								
Concrete	100%	4+	\$56,000	2032		* *	5	\$81,100
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 28-Oct-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2241940

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$194,200	\$579,800
<b>Total</b>	<b>\$194,200</b>	<b>\$579,800</b>
Importance Code C	\$194,200	\$579,800
<b>Total</b>	<b>\$194,200</b>	<b>\$579,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$65,600		\$600	
<b>Total</b>	<b>\$65,600</b>		<b>\$600</b>	
Importance Code A	\$30,800		\$600	
Importance Code B	\$34,800			
Importance Code C				
<b>Total</b>	<b>\$65,600</b>		<b>\$600</b>	



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

**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+	\$14,900	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)								
Concrete	90%			LIFE			* *	
Concrete	10%	4+	\$19,900	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Northeast Corner</i>								
<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+	\$116,000	2026	\$579,800	4	\$8,100	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Approach</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : East Approach</i>								
<i>Explanation : Uneven Surface</i>								
Concrete	100%	4+	\$36,100	2034			* *	\$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>								
Curbs								
Concrete w/ Steel Face	100%			LIFE			* *	
Embankment								
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**  
**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								
Mat (scour & erosion)								
Earth	100%			LIFE		**		
Railings/Parapets								
Concrete	100%	4+	\$2,600	2034		**		
			<i>Spalling, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Northwest Corner</i>					
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								
Concrete w/ Steel Face	100%			LIFE		**		
Railings/Parapets								
Concrete	100%	4+	\$28,200	2034		**	4	\$12,400
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : North Side</i>					
Steel	100%			LIFE		**	2-8	\$16,100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Chain Link Fence</i>					
Sidewalks								
Concrete	100%	4+	\$42,200	2033		**	5	\$15,100
			<i>Cracks, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
Wearing Surface								
Concrete	100%			2038		**	5	
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**  
**TRANSIT AUTHORITY YARD BRIDGE W 205 ST/NYCTA IND YARDS**  
**Asset # : 2485**

<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								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 17-Dec-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2245250

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$109,800	\$924,700
<b>Total</b>	<b>\$109,800</b>	<b>\$924,700</b>
Importance Code A	\$73,500	\$288,700
Importance Code B	\$36,300	\$288,700
Importance Code C		\$347,300
<b>Total</b>	<b>\$109,800</b>	<b>\$924,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$135,100		\$66,300	
<b>Total</b>	<b>\$135,100</b>		<b>\$66,300</b>	
Importance Code A	\$62,600		\$29,900	
Importance Code B			\$29,000	
Importance Code C	\$72,500		\$7,400	
<b>Total</b>	<b>\$135,100</b>		<b>\$66,300</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**  
**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>Abutments</b>								
Bridge Seat&pedestals Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : South End</i>						
		<i>Explanation : One Abutment Exists At This Bridge</i>						
<hr/>								
Backwall Not Accessible	100%							
<hr/>								
Brngs,Ancr Blts,Pads Not Accessible	100%							
<hr/>								
Footings Not Accessible	100%							
<hr/>								
Joint with Deck Generic	100%	4+	\$36,300	LIFE			* *	
		<i>Leakage, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Random Locations</i>						
		<i>Rust Stains, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Random Locations</i>						
		<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : At Sidewalk At End Of Abutment</i>						
		<i>Explanation : Damaged/ Misaligned Expansion Joint Membrane</i>						
<hr/>								
Mat (scour & erosion) Earth	100%			LIFE			* *	
<hr/>								
Pedestals Not Accessible	100%							
<hr/>								
Stem (breastwall) Not Accessible	100%							
<hr/>								
Walls Not Accessible	100%							
<hr/>								
<b>Wingwalls</b>								
Footings Not Accessible	100%							
<hr/>								
Mat (scour & erosion) Earth	100%			LIFE			* *	
<hr/>								
Piles Not Accessible	100%							
<hr/>								
Walls Concrete	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**  
**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								
Asphalt	100%	4+	\$5,200	2025	\$257,800	4	\$7,000	
<i>Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : South Abutment</i>								
<i>Explanation : Asphalt</i>								
Concrete	100%	4+	\$16,600	2033	* *	4	\$55,500	
<i>Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Abutment</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</i>								
Guide Railing								
Steel	100%			LIFE	* *	2-8	\$15,500	
Sidewalks								
Concrete	100%			LIFE	* *			
Piers								
Cap Beam								
Concrete	100%	4+	\$22,000	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%	4+	\$34,100	LIFE	* *	2-8	\$9,800	
<i>Corrosion, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
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**  
**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
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**			
Railings/Parapets								
Concrete	100%	4+	\$6,500	2033	**	4	\$400	
			<i>Cracks, Extent : Light, Area Affected : 10%</i>					
			<i>Location : 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 Side</i>					
			<i>Explanation : Steel Railing And Concrete Parapet. Steel Fence At East Side</i>					
Sidewalks								
Concrete	100%			2029	**	5	\$14,700	
Wearing Surface								
Concrete	100%	4+	\$31,700	2033	**	5	\$89,500	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Throughout</i>					
			<i>Spalling, Extent : Moderate, Area Affected : 2%</i>					
			<i>Location : Scattered Throughout</i>					
Scupper								
Ductile Iron	100%			LIFE	**			
Superstructure								
Deck, Structural								
Concrete	100%	4+	\$73,500	LIFE	**	5	\$32,100	
			<i>Settlement, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : South Abutment End At Scupper Grating</i>					
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Various Locations Throughout Spans 2, 3, 4, And 6</i>					
			<i>Explanation : Stay In Place Forms Removed</i>					
Joints								
Generic	100%	2-4	\$19,000	LIFE	**			
			<i>Leakage, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Span 3</i>					
			<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Span 4 Expansion Joint</i>					
			<i>Other Observation, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Span 4</i>					
			<i>Explanation : Sealant Missing</i>					
Primary Member								
Steel	100%			LIFE	**	2-8	\$539,300	
			<i>Rust Stains, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Span 6</i>					
Secondary Member								
Steel	100%			LIFE	**	2-8	\$451,700	

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.

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**DEPARTMENT OF TRANSPORTATION - 841  
WEST 158TH STREET BRIDGE W 158TH ST./AMTRAK 30 ST BRANCH  
Asset # : 13520**

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

Asset Name : WESTCHESTER AVE. BRIDGE OVER AMTRAK/ CSXT/P&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 : 30-Oct-2013 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2241230

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure		\$1,157,300
<b>Total</b>		<b>\$1,157,300</b>
Importance Code C		\$1,157,300
<b>Total</b>		<b>\$1,157,300</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$37,000	\$200	\$35,100	\$3,700
<b>Total</b>	<b>\$37,000</b>	<b>\$200</b>	<b>\$35,100</b>	<b>\$3,700</b>
Importance Code A	\$6,100	\$200	\$200	
Importance Code C	\$30,900		\$34,900	\$3,700
<b>Total</b>	<b>\$37,000</b>	<b>\$200</b>	<b>\$35,100</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**  
**WESTCHESTER AVE. BRIDGE OVER AMTRAK/ CSXT/P&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
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%			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>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Northwest Joint</i>								
<i>Explanation : Vegetation</i>								
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								
Not Accessible	100%							
Approaches								
Pavement								
Asphalt	100%	4+	\$23,100	2026	\$1,157,300	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			* *	

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Maintenance \$ are aggregated over a ten-year period. Site 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&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								
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Railings/Parapets								
Concrete	100%	4+	\$6,100	2034			* *	
			<i>Cracks, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random Locations Throughout</i>					
			<i>Spalling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Random Locations Throughout</i>					
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+	\$7,700	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	\$700
Railings/Parapets								
Concrete	100%			2034		* *	4	\$600
Steel	100%			LIFE		* *	2-8	\$5,300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Steel Panel Wall</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**  
**WESTCHESTER AVE. BRIDGE OVER AMTRAK/ CSXT/P&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
Deck Elements								
Sidewalks								
Concrete	100%			2030	* *	5	\$7,500	
Wearing Surface								
Concrete	100%			2034	* *	5	\$69,800	
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								
Not Accessible	100%							
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 29-May-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240089

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$1,184,200	\$1,331,700
<b>Total</b>	<b>\$1,184,200</b>	<b>\$1,331,700</b>
Importance Code A		\$933,900
Importance Code B	\$112,400	\$397,800
Importance Code C	\$1,071,800	
<b>Total</b>	<b>\$1,184,200</b>	<b>\$1,331,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$26,700		\$126,800	\$37,200
Bridge Electrical	\$8,600	\$7,400	\$7,400	\$7,400
Bridge Mechanical	\$122,600		\$125,700	
<b>Total</b>	<b>\$157,800</b>	<b>\$7,400</b>	<b>\$259,900</b>	<b>\$44,600</b>
Importance Code A			\$86,900	
Importance Code B	\$131,100	\$7,400	\$173,000	\$7,400
Importance Code C	\$26,700			\$37,200
<b>Total</b>	<b>\$157,800</b>	<b>\$7,400</b>	<b>\$259,900</b>	<b>\$44,600</b>



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

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**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>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%			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	\$1,071,800	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%			2033		**		
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	10%	0-2	\$112,400	LIFE		**		
			<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Pier 3 &amp; 5 Right Side Dolphins</i>					
			<i>Rotted, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Piers 3 &amp; 5</i>					
			<i>Split/Dry/Cracked, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Piers 3 &amp; 5</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Piers 3 &amp; 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>								

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**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%			2029	**	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 &amp; 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 - 3 &amp; 5 Thru. 7.</i>						
		<i>Explanation : Concrete Pier Stem</i>						
Granite	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Pier 3 &amp; 5.</i>						
		<i>Explanation : Granite Facade.</i>						
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2055	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Piers 1 - 3 &amp; 5 Thru. 7.</i>						
		<i>Explanation : Elastomeric Brg. For Spans 1 - 3 &amp; 6 - 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 Brgs. For Spans 4 &amp; 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 - 3 &amp; 6 Thru. 8.</i>						
		<i>Explanation : Spans 1 - 3 &amp; 6 Thru. 8.</i>						
Guide Railing								
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**  
**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	
Deck Elements								
Railings/Parapets								
Steel	75%			LIFE	**	2-8	\$28,800	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Spans 1 - 3 &amp; 6 - 8.</i>							
	<i>Explanation : Chain Link Fence Both Sides</i>							
Steel	25%			LIFE	**	2-8	\$28,800	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Spans 4 &amp; 5.</i>							
	<i>Explanation : Chain Link Fence And Pedestrian Railing On Both Sides.</i>							
Sidewalks								
Concrete	100%			2035	**	5	\$29,000	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Spans 1 - 3 &amp; 6 Thru. 8.</i>							
	<i>Explanation : Spans 1 - 3 &amp; 6 Thru. 8.</i>							
Grating w/ Concrete	100%			2055	**			
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Spans 4 &amp; 5.</i>							
	<i>Explanation : Spans 4 &amp; 5.</i>							
Wearing Surface								
Asphalt	100%			2030	**	5	\$45,500	
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$69,200	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Spans 1, 3 &amp; 6 Thru. 8.</i>							
	<i>Explanation : Spans 1, 3 &amp; 6 Thru. 8.</i>							
Grating w/ Concrete	100%			LIFE	**			
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Spans 4 &amp; 5.</i>							
	<i>Explanation : Spans 4 &amp; 5.</i>							
Joints								
Steel	100%			LIFE	**			
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Piers 3 &amp; 5.</i>							
	<i>Explanation : Piers 3 &amp; 5.</i>							
Generic	100%			LIFE	**			
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Piers 1, 2 &amp; 6 Thru. 7.</i>							
	<i>Explanation : Piers 1, 2 &amp; 6 Thru. 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	\$1,579,800	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 3 &amp; 6 Thru. 8.</i>								
<i>Explanation : Spans 1, 3 &amp; 6 Thru. 8.</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$622,400	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 3 &amp; 6 Thru. 8.</i>								
<i>Explanation : Spans 1, 3 &amp; 6 Thru. 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%			2025	\$14,400			
Telephone								
Desk Top	100%			2025				
Control System Electrical								
Computer								
PLC	100%	Now	\$1,200	2025	\$24,700			
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Machinery Room</i>								
<i>Explanation : Ups For Plc Power Has Failed And Is Bypassed.</i>								
Control Console								
Stainless Steel	100%			LIFE	**			
Control Devices								
Relay	100%			2045	**			
Disconnect Switch								
Non Fused	100%			2045	**	1	\$35,900	
Limit Switch								
Generic	100%			2045	**			
Local Starter								
Magnetic	100%			2045	**			

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.

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**DEPARTMENT OF TRANSPORTATION - 841**  
**145TH STREET BRIDGE 145TH ST BRIDGE/HARLEM RIVER**

**Asset # : 2468**

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%			2055	* *	1	\$600	
Motor Brake Thruster	100%			2055	* *	1	\$1,100	
Electrical Power								
MCC								
Generic	100%			2045	* *			
PanelBoard								
Circuit Breaker	100%			2045	* *	1	\$6,700	
Transfer Switch								
Auto	100%			2045	* *			
Transformer								
Dry	100%			2045	* *			
Exterior Lighting								
Lighting Contactor								
Generic	100%			2045	* *	1	\$5,600	
Lighting Fixture								
HID	100%			2025				
Ground/Lightning Protection								
Ground Bus								
Copper	100%			2030	* *			
Ground Rod								
Not Accessible	100%							
Ground Wire								
Green	100%			2030	* *			
Lightning Terminals								
Copper	100%			2025	\$1,300			
Interior Lighting								
Exit Lighting								
Battery Operated	100%			2030	* *			
Lighting Fixture								
Fluorescent	100%			2030	* *	1	\$5,600	
Navigation Lighting								
Fender Lighting								
Incandescent	100%			2025		1	\$3,400	
Pier Lighting								
Incandescent	100%			2025		1	\$4,500	
Span Lighting								
Incandescent	100%			2025		1	\$2,300	
Raceway								
Box								
Terminal	100%			2035	* *	1	\$4,500	
Collector Ring								
Metal	100%			2035	* *			
Communications								
Twisted Shielded pair	100%			2025				

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

Maintenance \$ are aggregated over a ten-year period. Site 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>	
Raceway								
Conduit								
Metal	100%			2065	**			
Submarine Control Cables								
Control	100%			2030	**			
Submarine Power Cable								
Power	100%			2030	**			
Wires								
Thermoplastic	100%			2045	**			
Stand-by Power								
Transfer Switch								
Auto	100%			2045	**			
Traffic System Electrical								
Barrier Gate Lighting								
Incandescent	100%			2025		1	\$1,100	
Traffic Gate Lighting								
Incandescent	100%			2025		1	\$1,100	
Traffic Gong								
Generic	100%			2025		1	\$600	
Traffic Signal								
Generic	100%			2025		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								
Center Latch								
Generic	100%			2065	**	2	\$22,500	
Center Pivot								
Generic	100%			2065	**	2	\$67,400	
Emergency Drive								
Emergency Power	100%			2065	**	2	\$44,900	
End Lift								
Generic	100%	Now	\$25,300	2065	**	2	\$35,900	
		<i>Other Observation, Extent : Light, Area Affected : 2%</i>						
		<i>Location : End Lift</i>						
		<i>Explanation : Minor Oil Leakage. One Wheel Does Not Have Full Bearing</i>						
Fuel Tanks								
Generic	100%			2045	**			
Houses								
Control House	100%	Now	\$4,700	2065	**			
		<i>Other Observation, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Bathroom</i>						
		<i>Explanation : Plumbing For The Bathroom Requires Repair.</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**  
**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								
Main Drive System								
Generic	50%	Now	\$14,300	2065	* *	2	\$179,600	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Drive Machinery</i>								
<i>Explanation : Pinion Bearing Bolts Require Paint. Secondary Reducers Do Not Have Sight Gauge</i>								
Generic	50%			2065	* *	2	\$224,500	
Structural Bearings								
Generic	100%			2040	* *			
Traffic Devices								
Barrier Gate	100%			2040	* *			
Warning Gate	100%	Now	\$6,500	2040	* *			
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Nw &amp; Ne Gate</i>								
<i>Explanation : Two Cwt Arms Are Bent.</i>								

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 16-Jul-2008 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231509

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$8,629,200	\$1,008,000
<b>Total</b>	<b>\$8,629,200</b>	<b>\$1,008,000</b>
Importance Code A	\$7,141,300	\$418,100
Importance Code B	\$480,200	\$418,100
Importance Code C	\$1,007,600	\$171,800
<b>Total</b>	<b>\$8,629,200</b>	<b>\$1,008,000</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$38,100		\$84,400	
<b>Total</b>	<b>\$38,100</b>		<b>\$84,400</b>	
Importance Code A	\$4,900		\$42,500	
Importance Code B			\$41,900	
Importance Code C	\$33,200			
<b>Total</b>	<b>\$38,100</b>		<b>\$84,400</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**  
**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
<b>Abutments</b>								
Bridge Seat&pedestals Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : The Bridge Abutments Were Rehabilitated Since Last Inspection.</i>							
Backwall Not Accessible	100%							
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Mat (scour & erosion) Riprap	100%			LIFE			* *	
Pedestals Not Accessible	100%							
Stem (breastwall) Concrete	100%	4+	\$270,100	LIFE			* *	
	<i>Exposed Reinforcement, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Random</i>							
	<i>Spalling, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Random</i>							
<b>Wingwalls</b>								
Footings Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : The Bridge Wingwalls were Rehabilitated Since Last Inspection.</i>							
Mat (scour & erosion) Earth	100%			LIFE			* *	
Piles Not Accessible	100%							
Walls Concrete	50%			LIFE			* *	
Concrete	50%	4+	\$96,300	LIFE			* *	
	<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 2%</i>							
	<i>Location : Beginning Abutment</i>							
	<i>Spalling, Extent : Moderate, Area Affected : 2%</i>							
	<i>Location : Beginning Abutment</i>							
<b>Feature Crossed</b>								
Bank Protection Riprap	100%			LIFE			* *	
Mat (scour & erosion) Stream Bed	100%			LIFE			* *	
Pier Protection Timber	100%	4+	\$137,200	LIFE			* *	
	<i>Rotted, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Throughout</i>							

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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
Approaches								
Pavement								
Asphalt	100%	4+	\$10,500	2020	\$527,500	4	\$7,900	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Along Center Line And Random Transverse</i>								
Curbs								
Concrete	100%	4+	\$1,300	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
<i>Old Repair, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
Embankment								
Generic	100%			LIFE	**			
Guide Railing								
Steel	100%	4+	\$3,000	LIFE	**	2-8	\$5,300	
<i>Damaged Railing, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pavement Base								
Not Accessible	100%							
Sidewalks								
Asphalt	100%	4+	\$2,000	2020	\$39,000	4	\$1,200	
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
Piers								
Cap Beam								
Concrete	100%	4+	\$59,000	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Piers</i>								
<i>Explanation : The Bridge Pier Caps Were Rehabilitated Since Last Inspection.</i>								
Pier,Columns								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Pier Columns</i>								
<i>Explanation : The Bridge Pier Columns Were Rehabilitated Since Last Inspection.</i>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							

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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
<b>Piers</b>								
Pedestals								
Concrete	100%			LIFE			**	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Pier Pedestals</i>								
<i>Explanation : The Bridge Piers Pedestals Were Rehabilitated Since Last Inspection.</i>								
<b>Deck Elements</b>								
Curbs								
Concrete	100%			2039			**	
<i>Old Repair, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
Guide Railing								
Steel	100%			LIFE			**	
Median								
Concrete	95%			LIFE		**	5	\$2,000
Concrete	5%	4+	\$700	LIFE		**	5	\$2,000
<i>Old Repair, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Railings/Parapets								
Steel	100%	4+	\$36,900	LIFE		**	2-8	\$11,200
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Sidewalks								
Concrete	100%	4+	\$3,400	2024	\$171,800	5		\$1,300
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Right And Left Sidewalks</i>								
Wearing Surface								
Asphalt	100%	4+	\$17,200	2020	\$344,800	5		\$14,200
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Over Piers And At Abutments</i>								
<i>Old Repair, Extent : Light, Area Affected : 2%</i>								
<i>Location : Over Pier</i>								
<b>Superstructure</b>								
Deck, Structural								
Concrete	100%			LIFE		**	5	\$23,200
<i>Other Observation, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Underside</i>								
<i>Explanation : The Bridge Deck Was Rehabilitated Since Last Inspection.</i>								
Joints								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location :</i>								
<i>Explanation : Joints Paved Over</i>								

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**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>	
<b>Superstructure</b>								
<b>Primary Member</b>								
Steel	80%			LIFE	**	2-8	\$390,400	
Steel	20%	4+	\$7,045,500	LIFE	**	2-8	\$390,400	
<i>Corrosion, Extent : Light, Area Affected : 30%</i>								
<i>Location :</i>								
<hr/>								
<b>Secondary Member</b>								
Steel	90%			LIFE	**	2-8	\$327,100	
Steel	10%	4+	\$72,900	LIFE	**	2-8	\$327,100	
<i>Corrosion, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random</i>								
<hr/>								

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$4,572,600	\$1,545,600
Bridge Electrical	\$2,600,700	\$5,389,500
Bridge Mechanical	\$3,669,200	
<b>Total</b>	<b>\$10,842,400</b>	<b>\$6,935,100</b>
Importance Code A	\$4,206,200	\$753,500
Importance Code B	\$6,269,800	\$5,766,300
Importance Code C	\$366,300	\$415,300
<b>Total</b>	<b>\$10,842,400</b>	<b>\$6,935,100</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$51,300	\$6,000	\$114,800	
Bridge Electrical	\$86,800			
Bridge Mechanical	\$32,000			
<b>Total</b>	<b>\$170,100</b>	<b>\$6,000</b>	<b>\$114,800</b>	
Importance Code A	\$500		\$77,000	
Importance Code B	\$137,000		\$37,800	
Importance Code C	\$32,600	\$6,000		
<b>Total</b>	<b>\$170,100</b>	<b>\$6,000</b>	<b>\$114,800</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%							

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

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

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

**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	
Wingwalls								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Walls								
Concrete	100%	2-4	\$231,300	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+	\$12,700	LIFE			**	
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Bank</i>								
Riprap	75%			LIFE			**	
Riprap	25%	0-2	\$3,500	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+	\$18,200	LIFE			**	
<i>Rotted, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Piers 1 &amp; 2 Top Of Dolphin Piles.</i>								
Approaches								
Pavement								
Asphalt	100%			2030		**	4	\$18,100
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 &amp; 2.</i>								
<i>Explanation : Piers 1 &amp; 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**  
**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
Piers								
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE			* *	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 1 &amp; 2.</i>								
<i>Explanation : Piers 1 &amp; 2.</i>								
Deck Elements								
Curbs								
Steel	100%			LIFE			* *	
Gratings								
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>								
Median								
Steel	100%			LIFE		4-8	\$41,200	
Mono Deck Surface								
Concrete	90%			2045		5	\$186,000	
Concrete	10%	4+	\$2,400	2045		5	\$93,000	
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Spans 1 &amp; 3</i>								
Railings/Parapets								
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 &amp; 3</i>								
<i>Explanation : Steel Railing On Each Side.</i>								
Sidewalks								
Grating w/ Concrete	100%			2045			* *	
Wearing Surface								
Concrete	90%			2034		5	\$84,100	
Concrete	10%	4+	\$3,000	2034		5	\$42,000	
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Spans 1 &amp; 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	\$11,000	LIFE		5	\$72,600	
<i>Broken, Missing Pave, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Pier 2</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.

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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
Superstructure								
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+	\$950,100	LIFE	**	2-8	\$703,700	
<i>Corrosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Spans 1 &amp; 3 Stringers Below The Joints At Abutments And Piers.</i>								
<i>Loss of Section, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Spans 1 &amp; 3 Stringers Below The Joints At Abutments And Piers.</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$589,500	
Movable Bridges								
Vertical Lift Span								
Steel	85%			LIFE	**			
Steel	10%	2-4	\$1,083,600	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	\$1,083,600	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+	\$1,089,000	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>								

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

Note : 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**  
**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>Priority</b>
Communication Electrical								
Communications								
Generic	100%	Now	\$34,500	2025	\$34,500			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Entire Bridge</i>								
<i>Explanation : 100% System Obsolete And Inoperative.</i>								
Control System Electrical								
Control Console								
Stainless Steel	100%	Now	\$18,300	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	\$68,900			
Limit Switch								
Generic	100%			2023	\$127,200			
Electrical Power								
Dist Equip & Motor Controll								
Generic	100%	Now	\$718,600	2023	\$3,592,800			
<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>								
Raceway								
Submarine Control Cables								
Generic	100%	2-4	\$1,660,900	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	\$1,600,600			
Traffic System Electrical								
Traffic Signal								
Generic	100%	Now	\$33,900	2020	\$169,600			
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : All</i>								
<i>Explanation : Underground Conduit Damaged Gongs Not Operational.</i>								
Lighting								
Lighting Devices								
Generic	100%	Now	\$51,600	2029		* *		
<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>	<b>Priority</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	\$32,000	2028			* *	
<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	\$83,100	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	\$81,500	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	\$281,300	2028			* *	
<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	\$89,200	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 &amp; 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	\$63,600	2028			* *	
<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	\$44,800	2028			* *	
<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	\$155,800	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	\$771,900	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+	\$883,900	2040			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Machinery 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	\$36,500	2028			* *	
<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	\$812,100	2028			* *	
<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	\$365,300	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 18-Dec-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240138

CAPITAL		FY 2017 - 2020	FY 2021 - 2026
Bridge Structure		\$960,900	\$379,400
<b>Total</b>		<b>\$960,900</b>	<b>\$379,400</b>
Importance Code A		\$288,300	
Importance Code B		\$546,600	
Importance Code C		\$126,100	\$379,400
<b>Total</b>		<b>\$960,900</b>	<b>\$379,400</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$43,500		\$800	
<b>Total</b>	<b>\$43,500</b>		<b>\$800</b>	
Importance Code A	\$4,900		\$800	
Importance Code C	\$38,600			
<b>Total</b>	<b>\$43,500</b>		<b>\$800</b>	



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

**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
<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)								
Earth	100%			LIFE			* *	
Piles								
Not Accessible	100%							
Walls								
Concrete	2%	4+	\$3,300	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Southeast Wall</i>								
Concrete	98%			LIFE			* *	
<b>Feature Crossed</b>								
Bank Protection								
Timber	100%	4+	\$126,100	2029			* *	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 50%</i>								
<i>Location : Both Abutments</i>								
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Pier Protection								
Timber	100%	4+	\$546,600	LIFE			* *	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 50%</i>								
<i>Location : Both Abutments</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.*

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**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								
Pavement								
Asphalt	100%	4+	\$7,600	2025	\$379,400	4	\$4,800	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : South Approach</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Approach</i>								
Curbs								
Concrete w/ Steel Face	100%			LIFE			* *	
Embankment								
Earth	100%			LIFE			* *	
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Railings/Parapets								
Steel	100%	4+	\$4,900	LIFE			* *	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Light, Area Affected : 10%</i>								
<i>Location : North Approach, East Side</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : South Approach</i>								
<i>Explanation : Steel Railing Located Only At South Approach</i>								
Sidewalks								
Concrete	100%	4+	\$16,800	LIFE			* *	
<i>Settlement, Extent : Light, Area Affected : 30%</i>								
<i>Location : South And North Approaches</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : South And North Approaches</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%							
Pedestals								
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**  
**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
Deck Elements								
Gratings								
Steel	100%	0-2	\$206,700	LIFE			**	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Broken Welds At Grating Bars Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 80%</i>								
<i>Location : Deck</i>								
<i>Explanation : 80 Percent Of Deck Is Steel Grating Only</i>								
Guide Railing								
Steel	100%			LIFE			**	
Median								
Steel	100%			LIFE			**	4-8
Mono Deck Surface								
Grating w/ Concrete	100%	2-4	\$11,000	2044			**	5 \$15,900
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Cracks And Spalling</i>								
Steel Grating	100%			2044			**	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Repair Is Accounted For In Steel Grating Component Above</i>								
Railings/Parapets								
Steel	100%	4+	\$81,600	LIFE			**	2-8 \$21,200
<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>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Safety Steel Fence</i>								
Superstructure								
Deck,Structural								
Not Accessible	100%							
Joints								
Generic	100%			LIFE			**	
Primary Member								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Bird Nesting</i>								
Secondary Member								
Not Accessible	100%							

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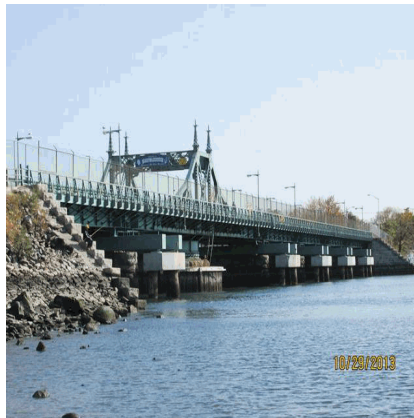
Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$3,124,800	\$1,995,300
<b>Total</b>	<b>\$3,124,800</b>	<b>\$1,995,300</b>
Importance Code A	\$2,018,300	\$635,000
Importance Code B	\$887,400	\$574,500
Importance Code C	\$219,100	\$785,800
<b>Total</b>	<b>\$3,124,800</b>	<b>\$1,995,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$148,900	\$2,200	\$122,300	\$9,100
<b>Total</b>	<b>\$148,900</b>	<b>\$2,200</b>	<b>\$122,300</b>	<b>\$9,100</b>
Importance Code A	\$45,300		\$64,700	
Importance Code B	\$29,600		\$57,600	
Importance Code C	\$73,900	\$2,200		\$9,100
<b>Total</b>	<b>\$148,900</b>	<b>\$2,200</b>	<b>\$122,300</b>	<b>\$9,100</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**  
**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	
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+	\$24,400	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+	\$39,400	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+	\$61,500	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>							
<hr/>								
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
<hr/>								
Pier Protection								
Timber	100%	4+	\$364,400	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>							
<hr/>								
Approaches								
Pavement								
Asphalt	75%			2026	\$261,100	4	\$6,600	
Asphalt	25%	4+	\$26,100	2026	\$87,000	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>							
<hr/>								
Curbs								
Concrete w/ Steel Face	100%	4+	\$9,900	LIFE			* *	
	<i>Corrosion, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : At Steel Fencing And Random Locations Throughout</i>							
<hr/>								
Embankment								
Earth	100%	4+	\$1,100	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>							
<hr/>								
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>							
<hr/>								
Guide Railing								
Concrete	100%	4+	\$1,700	2034			* *	\$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>							

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Approaches								
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Railings/Parapets								
Steel	100%	4+	\$4,900	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	\$6,000	LIFE			* *	
			<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Southwest</i>					
Timber	90%			LIFE			* *	
Sidewalks								
Concrete	30%	4+	\$6,700	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			* *	
Piers								
Cap Beam								
Steel	100%			LIFE		2-8	\$140,100	
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE		2-8	\$2,700	
Footings								
Masonry	15%	4+	\$5,300	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			* *	
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>					
Deck Elements								
Curbs								
Steel	100%	4+	\$22,800	LIFE			* *	
			<i>Corrosion, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Throughout</i>					

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

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

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

**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>Gratings</b>								
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 1/2Ft x 1Ft Each On Sides Of Bridge</i>								
<hr/>								
<b>Railings/Parapets</b>								
Steel	100%	0-2	\$278,600	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>								
<hr/>								
<b>Sidewalks</b>								
Concrete	90%			2030	**	5	\$18,200	
Concrete	10%	0-2	\$6,900	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>								
<hr/>								
<b>Wearing Surface</b>								
Asphalt	100%	4+	\$113,900	2026	\$379,500	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+	\$43,800	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>								
<hr/>								
<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	**			

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Maintenance \$ are aggregated over a ten-year period. Site 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	
Superstructure								
Joints								
Steel	95%			LIFE		**		
Steel	5%	Now	\$31,100	LIFE		**		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 100%</i>								
<i>Location : Northwest Side, Split Joint Cover Plate Next To Welding</i>								
Primary Member								
Steel	45%	4+	\$1,739,700	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
Secondary Member								
Steel	15%	4+	\$200,100	LIFE		**	2-8	\$449,400
<i>Corrosion, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Adjacent To South Sidewalk</i>								
Steel	85%	4+	\$283,500	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 19-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2229579

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$7,940,600	\$5,897,900
<b>Total</b>	<b>\$7,940,600</b>	<b>\$5,897,900</b>
Importance Code A	\$6,859,300	\$2,250,500
Importance Code B	\$689,600	\$1,894,100
Importance Code C	\$391,700	\$1,753,400
<b>Total</b>	<b>\$7,940,600</b>	<b>\$5,897,900</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$209,000	\$17,100	\$390,500	\$50,600
<b>Total</b>	<b>\$209,000</b>	<b>\$17,100</b>	<b>\$390,500</b>	<b>\$50,600</b>
Importance Code A	\$66,600		\$200,600	
Importance Code B	\$65,300		\$190,000	
Importance Code C	\$77,100	\$17,100		\$50,600
<b>Total</b>	<b>\$209,000</b>	<b>\$17,100</b>	<b>\$390,500</b>	<b>\$50,600</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**  
**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>Recent Repair Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : West Abutment Recently Underwent Rehab And Painted</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Backwall</b>								
Concrete	80%			LIFE			**	
Concrete	20%	4+	\$9,900	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Brngs,Ancr Blts,Pads</b>								
Steel	90%			LIFE			**	
Steel	10%	4+	\$13,500	LIFE			**	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Joint with Deck</b>								
Generic	80%			LIFE			**	
Generic	20%	4+	\$8,400	LIFE			**	
<i>Leakage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Joint Surface</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Beginning Abutment</i>								
<i>Explanation : Joint Filler Depressed</i>								
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE			**	
<hr/>								
<b>Stem (breastwall)</b>								
Concrete	80%			LIFE			**	
Concrete	20%	4+	\$28,300	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : West Abutment Recently Painted</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Wingwalls</b>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<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**  
**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+	\$68,700	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</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>								
Approaches								
Pavement								
Asphalt	80%			2024	\$1,365,900	4	\$20,900	
Asphalt	20%	2-4	\$68,300	2024	\$341,500	4	\$20,900	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
Concrete	85%			2032			**	\$80,200
Concrete	15%	2-4	\$38,400	2032			**	\$80,200
<i>Settlement, Extent : Light, Area Affected : 5%</i>								
<i>Location : End Approach</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</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>								
Guide Railing								
Steel	90%			LIFE			**	\$5,800
Steel	10%	4+	\$800	LIFE			**	\$5,800
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Surface</i>								
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**  
**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>								
Sidewalks								
Concrete	85%			LIFE				**
Concrete	15%	4+	\$7,900	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</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Piers</b>								
Cap Beam								
Concrete	80%			LIFE				**
Concrete	20%	4+	\$345,000	LIFE				**
<i>Delaminations, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Surface</i>								
<hr/>								
Pier,Columns								
Concrete	80%			LIFE				**
Concrete	20%	4+	\$441,000	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</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Explanation : Paint Peeling</i>								
<hr/>								
Brngs,Ancr Blts,Pads								
Steel	80%			LIFE		2-8	\$47,600	**
Steel	20%	2-4	\$350,600	LIFE		2-8	\$47,600	**
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Explanation : Missing Anchor Bolt As Per Recent Biennial Inspection</i>								
<hr/>								
Footings								
Not Accessible	100%							
<hr/>								
Mat (scour & erosion)								
Earth	100%			LIFE				**
<hr/>								
Pedestals								
Concrete	95%			LIFE				**
Concrete	5%	4+	\$28,500	LIFE				**
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								

**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**  
**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>Deck Elements</b>								
<b>Curbs</b>								
Concrete w/ Steel Face	70%			LIFE	**			
Concrete w/ Steel Face	30%	4+	\$21,700	LIFE	**			
<i>Misaligned/Bulging, Extent : Light, Area Affected : 2%</i>								
<i>Location : Random</i>								
<i>Rust Stains, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : At Surface</i>								
<hr/>								
<b>Median</b>								
Concrete	95%			LIFE	**	5	\$15,100	
Concrete	5%	4+	\$7,900	LIFE	**	5	\$15,100	
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Surface</i>								
Steel	95%			LIFE	**	4-8	\$122,600	
Steel	5%	4+	\$1,200	LIFE	**	4-8	\$122,600	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Explanation : Paint Peeling And Rust Stain</i>								
<hr/>								
<b>Railings/Parapets</b>								
Steel	95%			LIFE	**	2-8	\$86,700	
Steel	5%	4+	\$16,700	LIFE	**	2-8	\$86,700	
<i>Misaligned/Bulging, Extent : Light, Area Affected : 2%</i>								
<i>Location : Top Rail</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Surface</i>								
<hr/>								
<b>Sidewalks</b>								
Concrete	70%			2028	**	5	\$34,300	
Concrete	30%	4+	\$78,300	2028	**	5	\$17,100	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Surface</i>								
<hr/>								
<b>Wearing Surface</b>								
Concrete	90%			2032	**	5	\$46,000	
<i>Recent Repair Evident, Extent : Light, Area Affected : 2%</i>								
<i>Location : Northbound Lane</i>								
Concrete	10%	4+	\$8,700	2032	**	5	\$23,000	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Old Repair, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Northbound Lanes</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<hr/>								
<b>Scupper</b>								
Cast Iron	100%	4+	\$138,000	LIFE	**			
<i>Drains Clogged, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</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**  
**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								
Deck,Structural Concrete	85%			LIFE	**	5	\$105,300	
	<i>Other Observation, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Underside Of Deck</i>							
	<i>Explanation : Sip Forms Throughout The Underside Of The Deck</i>							
Concrete	15%	4+	\$140,300	LIFE	**	5	\$105,300	
	<i>Cracks, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random</i>							
	<i>Spalling, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random</i>							
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Sip Form Under Deck</i>							
	<i>Explanation : Corrosion And Deformation</i>							
Joints								
Generic	75%			LIFE	**			
Generic	25%	4+	\$27,600	LIFE	**			
	<i>Loose Elements, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Random</i>							
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random</i>							
	<i>Explanation : Joint Filler Depressed And Filled With Debris</i>							
Primary Member								
Steel	90%			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	10%	4+	\$6,023,400	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+	\$248,700	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 21-Nov-2006 Landmark Status : NONE  
**Areas Surveyed** :  
**Block** : Lot : BIN : 2066672

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$180,500	\$512,800
<b>Total</b>	<b>\$180,500</b>	<b>\$512,800</b>
Importance Code A	\$143,300	\$143,600
Importance Code B	\$37,200	\$369,200
<b>Total</b>	<b>\$180,500</b>	<b>\$512,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$2,200	\$26,100	\$61,900	
<b>Total</b>	<b>\$2,200</b>	<b>\$26,100</b>	<b>\$61,900</b>	
Importance Code A	\$2,200		\$10,300	
Importance Code B			\$37,000	
Importance Code C		\$26,100	\$14,600	
<b>Total</b>	<b>\$2,200</b>	<b>\$26,100</b>	<b>\$61,900</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 System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Abutments							
Bridge Seat&pedestals Concrete	100%			LIFE	**		
Backwall Concrete	100%			LIFE	**		
Brngs,Ancr Blts,Pads Elastomeric	100%			2048	**		
Steel	100%			LIFE	**		
Footings							
Not Accessible	100%						
Joint with Deck							
Generic	100%			LIFE	**		
Mat (scour & erosion)							
Earth	100%			LIFE	**		
Stem (breastwall)							
Concrete	100%			LIFE	**		
Wingwalls							
Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Earth	100%			LIFE	**		
Piles							
Not Accessible	100%						
Walls							
Not Accessible	100%						
Feature Crossed							
Bank Protection							
Riprap	100%			LIFE	**		
Mat (scour & erosion)							
Not Accessible	100%						
Pier Protection							
Timber	100%			LIFE	**		
Approaches							
Pavement							
Concrete	100%			2031	**	4	\$29,100
Curbs							
Concrete w/ Steel Face	100%			LIFE	**		
Embankment							
Earth	100%			LIFE	**		
Guide Railing							
Concrete	100%			2033	**	4	\$6,400
Mat (scour & erosion)							
Not Accessible	100%						
Pavement Base							
Not Accessible	100%						
Sidewalks							
Concrete	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**  
**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
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8		
Pier,Columns								
Concrete	100%			LIFE	**			
Steel	100%			LIFE	**	2-8	\$427,400	
Stem,Solid Pier								
Brick Veneer	100%			LIFE	**			
Concrete	90%			LIFE	**			
Concrete	10%	4+	\$37,200	LIFE	**			
<i>Delaminations, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : West Face Of Pier 1</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : West Face Of Pier 1</i>								
<i>Explanation : Pier 1 Has Fire Damage, Moderate Scaling</i>								
Granite	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2048	**			
Steel	100%			LIFE	**	2-8	\$1,800	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE	**			
Steel	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Guide Railing								
Concrete	100%			2038	**			
Median								
Concrete	100%			LIFE	**	5	\$2,000	
Railings/Parapets								
Masonry	100%			2033	**	5		
Steel	98%			LIFE	**	2-8	\$9,900	
Steel	2%	Now	\$100	LIFE	**	2-8	\$9,900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Median, Bolts at Access Ladder</i>								
Sidewalks								
Concrete	100%			2028	**	5	\$3,900	
Wearing Surface								
Concrete	100%			2033	**	5	\$48,200	
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**  
**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	
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$4,400	
Grating w/ Concrete	100%			LIFE	**			
Joints								
Generic	100%			LIFE	**			
Primary Member								
Concrete	100%			LIFE	**	5	\$49,100	
Prestressed Concrete	100%			LIFE	**			
Box Beam								
Steel	100%			LIFE	**	2-8	\$176,600	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$345,300	
Movable Bridges								
Bascule Span								
Steel	90%			LIFE	**			
Steel	10%	4+	\$143,300	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bascule Span</i>								
<i>Explanation : Previous Losses To Flanges. Minor Corrosion.</i>								
Bascule Span Pier								
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.

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : **21-Nov-2006** Landmark Status : **NONE**  
 Areas Surveyed :  
 Block : Lot : BIN : **2066671**

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$122,300	\$366,200
<b>Total</b>	<b>\$122,300</b>	<b>\$366,200</b>
Importance Code A	\$122,300	\$95,000
Importance Code B		\$271,200
<b>Total</b>	<b>\$122,300</b>	<b>\$366,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$2,000	\$12,800	\$51,400	
<b>Total</b>	<b>\$2,000</b>	<b>\$12,800</b>	<b>\$51,400</b>	
Importance Code A	\$2,000	\$900	\$9,700	
Importance Code B			\$27,200	
Importance Code C	\$100	\$11,900	\$14,600	
<b>Total</b>	<b>\$2,000</b>	<b>\$12,800</b>	<b>\$51,400</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**  
**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								
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%							
Stem (breastwall)								
Concrete	100%			LIFE	**			
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Brick Veneer	100%			LIFE	**			
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%			2031	**	4	\$29,100	
Curbs								
Concrete	100%			LIFE	**			
Concrete w/ Steel Face	100%			LIFE	**			
Embankment								
Not Accessible	100%							
Guide Railing								
Concrete	100%			2033	**	4	\$4,300	
Steel	100%			LIFE	**	2-8	\$2,900	
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**  
**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
Approaches								
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8		
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$427,400	
Stem,Solid Pier								
Masonry	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	**	2-8	\$1,800	
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Steel	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**	5	\$900	
Railings/Parapets								
Concrete	100%			2033	**	4	\$1,600	
Masonry	100%			2033	**	5	\$1,700	
Sidewalks								
Concrete	90%			2028	**	5	\$1,300	
Concrete	10%	4+	\$100	2028	**	5	\$700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Approach Spans</i>								
Wearing Surface								
Concrete	100%			2033	**	5	\$22,500	
Superstructure								
Deck,Structural								
Grating w/ Concrete	100%			LIFE	**			
Joints								
Steel	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8	\$177,500	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$192,000	
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**  
**EASTERN BLVD. BRUCKNER EXPWY SOUTH BOUND OVER BRONX RIVER**

**Asset # : 2915**

Bridge Structure	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Movable Bridges								
Bascule Span								
Steel	90%			LIFE			* *	
Steel	10%	4+	\$122,300	LIFE			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bascule Span</i>								
<i>Explanation : Previous Losses To Flanges And Minor Corrosion</i>								
<hr/>								
Bascule Span Pier								
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.

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 02-Jan-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2055802

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$1,282,200	\$2,932,200
<b>Total</b>	<b>\$1,282,200</b>	<b>\$2,932,200</b>
Importance Code A	\$218,300	\$1,017,600
Importance Code B	\$602,800	\$1,176,800
Importance Code C	\$461,100	\$737,800
<b>Total</b>	<b>\$1,282,200</b>	<b>\$2,932,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$98,700		\$202,700	
<b>Total</b>	<b>\$98,700</b>		<b>\$202,700</b>	
Importance Code A	\$27,300		\$84,600	
Importance Code B	\$21,900		\$118,000	
Importance Code C	\$49,500			
<b>Total</b>	<b>\$98,700</b>		<b>\$202,700</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**  
**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
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE			* *	
Backwall								
Concrete	100%	4+	\$12,400	LIFE			* *	
<i>Damaged Railing, Extent : Light, Area Affected : 2%</i>								
<i>Location : Scattered Throughout</i>								
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+	\$13,500	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Both Abutments</i>								
Wingwalls								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	90%			LIFE			* *	
Concrete	10%	4+	\$5,800	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : End Abutment</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Southwest Wingwall</i>								
Feature Crossed								
Bank Protection								
Concrete	80%			LIFE			* *	
Concrete	20%	4+	\$144,500	LIFE			* *	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : West Side Of River</i>								
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : West Side Of River</i>								
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 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	
Feature Crossed								
Pier Protection								
Timber	100%	Now	\$473,700	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>								
Approaches								
Pavement								
Asphalt	95%			2025	\$400,100	4	\$8,100	
Asphalt	5%	4+	\$4,200	2025	\$21,100	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%			2033		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%			2033		4	\$17,200	**
Steel	100%			LIFE		2-8		**
Piers								
Cap Beam								
Concrete	90%			LIFE				**
Concrete	10%	4+	\$129,200	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 : End Of Pier 30 Cap Beam</i>								
Steel	90%			LIFE		2-8	\$520,900	**
Steel	10%	4+	\$89,000	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
Piers								
Pier,Columns								
Concrete	90%			LIFE			**	
Concrete	10%	4+	\$76,700	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>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : River Pier</i>								
<i>Explanation : Missing Mortar In Granite Masonry Veneer</i>								
Steel	90%			LIFE			**	
Steel	10%	4+	\$52,400	LIFE			**	
<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>								
Stem,Solid Pier								
Concrete	97%			LIFE			**	
Concrete	3%	4+	\$8,300	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : East And West Ends</i>								
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2044			**	
Steel	100%			LIFE		2-8	\$60,900	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE			**	
Deck Elements								
Guide Railing								
Concrete	100%			2037			**	
Mono Deck Surface								
Concrete	95%			2044		5	\$316,700	
Concrete	5%			2044		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>								
Railings/Parapets								
Concrete	100%			2033		4	\$23,400	
Scupper								
Ductile 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**  
**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	
Superstructure								
Deck,Structural								
Concrete	95%			LIFE	* *	5	\$86,800	
Concrete	5%	4+	\$13,800	LIFE	* *	5	\$86,800	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Structure</i>								
<i>Efflorescence, Extent : Light, Area Affected : 4%</i>								
<i>Location : Throughout Structure</i>								
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : East Side</i>								
<i>Explanation : Bird Nesting</i>								
Joints								
Generic	100%	4+	\$14,100	LIFE	* *			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Scattered 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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : **02-Jan-2013** Landmark Status : **NONE**  
 Areas Surveyed :  
 Block : Lot : BIN : **2055801**

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$1,166,800	\$3,529,300
<b>Total</b>	<b>\$1,166,800</b>	<b>\$3,529,300</b>
Importance Code A	\$232,800	\$1,231,200
Importance Code B	\$609,700	\$1,740,000
Importance Code C	\$324,300	\$558,000
<b>Total</b>	<b>\$1,166,800</b>	<b>\$3,529,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$94,800		\$289,700	
<b>Total</b>	<b>\$94,800</b>		<b>\$289,700</b>	
Importance Code A	\$18,300		\$107,800	
Importance Code B	\$44,200		\$174,500	
Importance Code C	\$32,300		\$7,400	
<b>Total</b>	<b>\$94,800</b>		<b>\$289,700</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**  
**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	
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE			* *	
Backwall								
Concrete	98%			LIFE			* *	
Concrete	2%	4+	\$3,300	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : End Abutment</i>								
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE			* *	
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	95%			LIFE			* *	
Generic	5%	4+	\$20,300	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+	\$7,300	LIFE			* *	
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Begin Abutment</i>								
<i>Efflorescence, Extent : Light, Area Affected : 15%</i>								
<i>Location : Begin Abutment</i>								
Wingwalls								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	2%	4+	\$9,100	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								

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

Maintenance \$ are aggregated over a ten-year period. Site 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	
Feature Crossed								
Bank Protection								
Concrete	85%			LIFE			**	
Concrete	15%	Now	\$10,100	LIFE			**	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : West Side Of The River</i>								
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : West Side Of The River</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : West Side Of The River</i>								
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	100%	Now	\$437,200	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>								
Approaches								
Pavement								
Asphalt	95%			2025	\$200,000	4	\$4,000	
Asphalt	5%	4+	\$6,300	2025	\$10,500	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%			2033			**	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%			2033			**	4 \$4,300
Steel	100%			LIFE			**	2-8
Sidewalks								
Concrete	95%			LIFE			**	
Concrete	5%	4+	\$2,100	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
Piers								
Cap Beam								
Concrete	90%			LIFE	**			
Concrete	10%	4+	\$40,400	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+	\$73,100	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>								
Pier, Columns								
Concrete	10%	4+	\$80,000	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+	\$41,900	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>								
Stem, Solid Pier								
Concrete	90%			LIFE	**			
Concrete	10%	4+	\$50,500	LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Brngs, Anchr Blts, Pads								
Elastomeric	100%			2044	**			
Steel	100%			LIFE	**	2-8	\$64,100	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE	**			
Deck Elements								
Guide Railing								
Concrete	100%			2037	**			
Median								
Concrete	100%			LIFE	**	5	\$11,300	

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

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

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

**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	
Deck Elements								
Mono Deck Surface								
Concrete	90%			2044	**	5	\$347,500	
Concrete	10%	4+	\$47,800	2044	**	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>								
Railings/Parapets								
Steel	90%			LIFE	**	2-8	\$31,000	
Steel	10%	4+	\$119,200	LIFE	**	2-8	\$31,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At North Side Only</i>								
<i>Explanation : Inadequate Pedestrian Railing Consists Of Cables And Mesh As Means Of Falling Protection</i>								
Sidewalks								
Concrete	100%			2029	**	5	\$14,900	
Scupper								
Ductile Iron	100%			LIFE	**			
Superstructure								
Deck, Structural								
Concrete	5%	4+	\$16,900	LIFE	**	5	\$79,100	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Side</i>								
<i>Spalling, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : East Side</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : East Side</i>								
<i>Explanation : Exposed Steel Reinforcement</i>								
Concrete	95%			LIFE	**	5	\$79,100	
Joints								
Generic	60%			LIFE	**			
Generic	40%	4+	\$102,800	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>								
Primary Member								
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>								
Secondary Member								
Steel	95%			LIFE	**	2-8	\$1,113,500	
Steel	5%	4+	\$16,500	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 03-Aug-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2231450

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$47,394,400	\$3,766,500
<b>Total</b>	<b>\$47,394,400</b>	<b>\$3,766,500</b>
Importance Code A	\$24,246,900	\$1,216,500
Importance Code B	\$22,204,200	\$919,400
Importance Code C	\$943,400	\$1,630,500
<b>Total</b>	<b>\$47,394,400</b>	<b>\$3,766,500</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$71,200	\$12,700	\$210,900	\$3,100
<b>Total</b>	<b>\$71,200</b>	<b>\$12,700</b>	<b>\$210,900</b>	<b>\$3,100</b>
Importance Code A	\$34,800		\$92,900	\$2,400
Importance Code B	\$5,500		\$92,200	
Importance Code C	\$30,900	\$12,700	\$25,700	\$800
<b>Total</b>	<b>\$71,200</b>	<b>\$12,700</b>	<b>\$210,900</b>	<b>\$3,100</b>



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

**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								
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	2-4	\$243,600	LIFE				**
			<i>Other Observation, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Joint Is Paved Over</i>					
Mat (scour & erosion)								
Earth	100%	2-4	\$5,500	LIFE				**
			<i>Other Observation, Extent : Light, Area Affected : 15%</i>					
			<i>Location : Random</i>					
			<i>Explanation : Soil Under The Footing Has Been Eroded</i>					
Stem (breastwall)								
Concrete	70%			LIFE				**
Concrete	30%	2-4	\$1,040,900	LIFE				**
			<i>Cracks, Extent : Moderate, Area Affected : 25%</i>					
			<i>Location : Random</i>					
			<i>Delaminations, Extent : Moderate, Area Affected : 15%</i>					
			<i>Location : Random</i>					
			<i>Efflorescence, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Random</i>					
			<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Random</i>					
			<i>Spalling, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Random</i>					
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%	4+	\$1,000	LIFE				**
			<i>Erosion, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Random</i>					
Piles								
Timber	100%			LIFE				**
			<i>Other Observation, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Southeast Wingwall</i>					
			<i>Explanation : Visible Due To Erosion</i>					
Walls								
Concrete	90%			LIFE				**
Concrete	10%	4+	\$88,300	LIFE				**
			<i>Cracks, Extent : Light, Area Affected : 15%</i>					
			<i>Location : Random</i>					
			<i>Exposed Reinforcement, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Random</i>					
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**  
**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	
Feature Crossed								
Mat (scour & erosion)								
Stream Bed	100%			LIFE			* *	
Pier Protection								
Concrete	100%	4+	\$66,300	LIFE			* *	
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random</i>							
	<i>Explanation : Crack, Efflorescence, And Rust Stain</i>							
Approaches								
Pavement								
Asphalt	100%	2-4	\$84,300	2024	\$843,200	4	\$10,700	
	<i>Cracks, Extent : Light, Area Affected : 15%</i>							
	<i>Location : Random</i>							
	<i>Settlement, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random</i>							
	<i>Spalling, Extent : Light, Area Affected : 3%</i>							
	<i>Location : Random</i>							
	<i>Other Observation, Extent : Light, Area Affected : 8%</i>							
	<i>Location : Random</i>							
	<i>Explanation : Raveling Pavement</i>							
Curbs								
Concrete	40%			LIFE			* *	
Concrete	60%	Now	\$9,200	LIFE			* *	
	<i>Cracks, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Various Locations</i>							
	<i>Settlement, Extent : Light, Area Affected : 5%</i>							
	<i>Location :</i>							
	<i>Spalling, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random</i>							
Embankment								
Earth	90%			LIFE			* *	
Earth	10%	4+	\$100	LIFE			* *	
	<i>Vegetation Growth, Extent : Severe, Area Affected : 30%</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.

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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	Priority
<b>Approaches</b>								
<b>Guide Railing</b>								
Concrete	100%	4+	\$6,200	2026	\$123,800	4	\$5,100	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 3%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Explanation : Scaling</i>								
Steel	80%			LIFE	**	2-8	\$5,800	
Steel	20%	2-4	\$3,100	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>								
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<hr/>								
<b>Pavement Base</b>								
Not Accessible	100%							
<hr/>								
<b>Sidewalks</b>								
Asphalt	90%			2024	\$51,300	4	\$1,500	
Asphalt	10%	4+	\$600	2024	\$5,700	4	\$1,500	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Northeast Corner</i>								
<i>Explanation : Unpaved Area</i>								
<hr/>								
<b>Piers</b>								
<b>Cap Beam</b>								
Concrete	100%	0-2	\$3,088,300	LIFE	**			
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Bottom Of Concrete Beam</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Condition Is As Per Nysdot Inspection Report</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future 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**  
**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	Priority
<b>Piers</b>								
Pier,Columns								
Concrete	80%			LIFE				**
Concrete	20%	2-4	\$14,137,900	LIFE				**
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random</i>								
<hr/>								
Stem,Solid Pier								
Concrete	60%			LIFE				**
Concrete	40%	4+	\$6,233,500	LIFE				**
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Various Locations</i>								
<i>Explanation : Spalling With Exposed Reinforcement</i>								
<hr/>								
Brngs,Ancr Blts,Pads								
Steel	100%	2-4	\$370,800	LIFE		**	2-8	\$10,100
<i>Corrosion, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random</i>								
<i>Rust Stains, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<hr/>								
Footings								
Not Accessible	100%							
<hr/>								
Pedestals								
Not Accessible	100%							
<hr/>								
<b>Deck Elements</b>								
Curbs								
Concrete	70%			2043				**
Concrete	30%	Now	\$4,436,300	2043				**
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
<i>Recent Replace Evident, Extent : Light, Area Affected : 30%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<hr/>								
Guide Railing								
Steel	90%			LIFE				**
Steel	10%	4+	\$46,700	LIFE				**
<i>Rust Stains, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								

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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	
<b>Deck Elements</b>								
<b>Median</b>								
Steel	90%			LIFE	**	4-8	\$31,500	
Steel	10%	4+	\$4,600	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%			2032	**	4	\$4,700	
Concrete	10%	4+	\$11,800	2032	**	4	\$4,700	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								
<hr/>								
<b>Sidewalks</b>								
Concrete	50%			2028	**	5	\$25,300	
Concrete	50%	Now	\$578,000	2028	**	5	\$12,700	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<hr/>								
<b>Wearing Surface</b>								
Asphalt	80%			2024	\$584,200	5	\$51,500	
Asphalt	20%	2-4	\$29,200	2024	\$146,100	5	\$25,700	
<i>Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Random</i>								
<i>Settlement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random</i>								
<hr/>								
<b>Superstructure</b>								
<b>Deck,Structural</b>								
Concrete	60%			LIFE	**	5	\$51,100	
Concrete	40%	2-4	\$1,019,200	LIFE	**	5	\$51,100	
<i>Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								
<i>Exposed Reinforcement, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								
<i>Spalling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Random</i>								
<i>Explanation : Wood Plank Is Used For Under Deck Shield Protection</i>								

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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								
Joints								
Generic	100%	0-2	\$192,800	LIFE		**		
	<i>Loose Joint Plates, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Throughout</i>							
Primary Member								
Concrete	70%			LIFE		**	5	\$29,400
Concrete	30%	2-4	\$1,319,700	LIFE		**	5	\$29,400
	<i>Cracks, Extent : Light, Area Affected : 15%</i>							
	<i>Location : Random</i>							
	<i>Efflorescence, Extent : Light, Area Affected : 15%</i>							
	<i>Location : Random</i>							
	<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Various Location</i>							
	<i>Spalling, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Random</i>							
Steel	80%			LIFE		**	2-8	\$858,600
Steel	20%	2-4	\$13,965,700	LIFE		**	2-8	\$858,600
	<i>Corrosion, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Random</i>							
	<i>Loss of Section, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random</i>							
	<i>Rust Stains, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Random</i>							
Secondary Member								
Steel	80%			LIFE		**	2-8	\$719,300
Steel	20%	2-4	\$481,900	LIFE		**	2-8	\$719,300
	<i>Corrosion, Extent : Light, Area Affected : 15%</i>							
	<i>Location : Random</i>							
	<i>Rust Stains, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Random</i>							

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

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$1,286,700	
Bridge Electrical	\$1,054,600	\$189,400
Bridge Mechanical	\$336,900	
<b>Total</b>	<b>\$2,678,200</b>	<b>\$189,400</b>
Importance Code A	\$1,004,200	
Importance Code B	\$1,674,000	\$189,400
<b>Total</b>	<b>\$2,678,200</b>	<b>\$189,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$35,400		\$200	\$5,200
Bridge Electrical	\$37,500			
Bridge Mechanical	\$50,700			
<b>Total</b>	<b>\$123,600</b>		<b>\$200</b>	<b>\$5,200</b>
Importance Code A			\$200	
Importance Code B	\$88,200			
Importance Code C	\$35,400			\$5,200
<b>Total</b>	<b>\$123,600</b>		<b>\$200</b>	<b>\$5,200</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**  
**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	\$63,000	LIFE		**		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Beginning &amp; 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+	\$125,800	LIFE		**		
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Beginning &amp; 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 &amp; End Abutments</i>								
<i>Explanation : Masonry Pointing Needed</i>								
Feature Crossed								
Bank Protection								
Concrete	100%			LIFE		**		
Riprap	100%	4+	\$24,400	LIFE		**		
<i>Erosion, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Begin North Side</i>								
Timber	100%			2024				
Mat (scour & erosion)								
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**  
**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	\$156,700	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	**	4	\$10,500	
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+	\$11,000	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+	\$235,300	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Swing Spans 1 &amp; 2</i>								
<i>Explanation : Structural Steel Exhibits Section Loss And Corrosion In Localized Areas.</i>								
Steel	20%	0-2	\$705,900	LIFE	**			
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Swing Spans 1 &amp; 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%			2017	\$11,500			

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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**  
**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>Priority</b>
Control System Electrical								
Control Console								
Stainless Steel	100%			LIFE			* *	
Disconnect Switch								
Generic	100%			2022	\$10,600			
Limit Switch								
Rotary	100%			2017				
Generic	100%	2-4	\$19,600	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>								
Electrical Power								
Dist Equip & Motor Controll								
Generic	100%			2022	\$189,400			
Raceway								
Submarine Control Cables								
Generic	100%			2018	\$315,600			
Wiring								
Generic	100%			2018	\$498,800			
Traffic System Electrical								
Traffic Signal								
Generic	100%	Now	\$40,500	2019	\$135,100			
<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>								
Lighting								
Lighting Devices								
Generic	80%	Now	\$6,500	2018	\$64,500			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roadway Lighting</i>								
<i>Explanation : One Fixture Inoperative</i>								
Generic	20%			2029			* *	

<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>Priority</b>
Swing								
Center Latch								
Generic	100%	Now	\$10,700	2027			* *	
<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			* *	

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

Maintenance \$ are aggregated over a ten-year period. Site 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	Priority
Swing								
End Lift								
Generic	100%	Now	\$70,400	2027			* *	
<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>								
Houses								
Access Ways	100%	Now	\$28,600	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>								
Control House	100%	Now	\$78,200	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>								
Main Drive System								
Generic	100%	Now	\$43,300	2027			* *	
<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>								
Rack								
Generic	100%			LIFE			* *	
Structural Bearings								
Generic	100%	Now	\$5,200	2020	\$103,700			
<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>								
Traffic Devices								
Barrier Gate	100%	Now	\$6,200	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>								
Warning Gate	100%	Now	\$41,300	2027			* *	
<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>								

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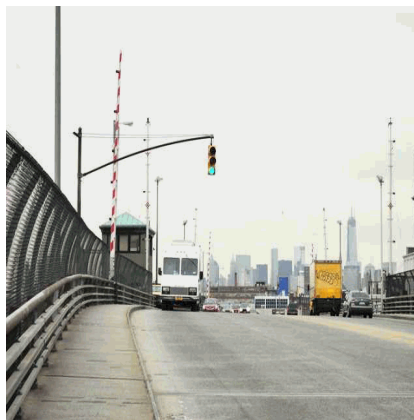
Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : **23-Apr-2013** Landmark Status : **NONE**  
 Areas Surveyed :  
 Block : Lot : BIN : **2240370**

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$169,200	\$1,893,600
Bridge Electrical		\$1,117,300
Bridge Mechanical	\$544,900	
<b>Total</b>	<b>\$714,100</b>	<b>\$3,010,900</b>
Importance Code A		\$904,800
Importance Code B	\$544,900	\$1,936,800
Importance Code C	\$169,200	\$169,200
<b>Total</b>	<b>\$714,100</b>	<b>\$3,010,900</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$65,400		\$187,100	
Bridge Electrical	\$48,600	\$10,400	\$7,200	\$7,200
Bridge Mechanical	\$133,600		\$71,800	
<b>Total</b>	<b>\$247,600</b>	<b>\$10,400</b>	<b>\$266,100</b>	<b>\$7,200</b>
Importance Code A	\$14,900		\$85,600	
Importance Code B	\$205,000	\$10,400	\$161,200	\$7,200
Importance Code C	\$27,800		\$19,300	
<b>Total</b>	<b>\$247,600</b>	<b>\$10,400</b>	<b>\$266,100</b>	<b>\$7,200</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	
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	100%	4+	\$22,800	LIFE		**		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : End Abutment 2ft Of Armor Missing From Joint</i>								
<i>Leakage, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Beginning And End Abutments</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 40ft To The North Side Of The Bridge</i>								
<i>Explanation : Steel Bulkhead Damaged For 25ft</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 &amp; 6</i>								
<i>Split/Dry/Cracked, Extent : Light, Area Affected : 1%</i>								
<i>Location : Random Locations On Bascule Piers 5 &amp; 6</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.

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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
<b>Approaches</b>								
Pavement								
Asphalt	100%			2029	**	4	\$10,700	
<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%	2-4	\$15,500	2039	**	4	\$26,100	
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Beginning Approach</i>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	4+	\$14,900	LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 30%</i>								
<i>Location : Both Sides Of The Beginning And End Approaches</i>								
<b>Guide Railing</b>								
Steel	100%			LIFE	**	2-8		
<b>Pavement Base</b>								
Not Accessible	100%							
<b>Sidewalks</b>								
Concrete	100%			LIFE	**			
<b>Piers</b>								
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								
Steel	100%			LIFE	**	2-8	\$29,500	
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Not Accessible	100%							
<b>Pedestals</b>								
Concrete	100%			LIFE	**			
<b>Deck Elements</b>								
Curbs								
Concrete w/ Steel Face	100%			LIFE	**			
<i>Corrosion, Extent : Light, Area Affected : 30%</i>								
<i>Location : Spans 1- 5 &amp; 7 - 12</i>								
<b>Railings/Parapets</b>								
Steel	100%			LIFE	**	2-8	\$58,600	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Spans 1 - 5 &amp; 7 - 12</i>								
<i>Explanation : Spans With Railings.</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	Priority
Deck Elements								
Sidewalks								
Concrete	100%			2034	**	5	\$38,600	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1 - 5 &amp; 7 - 12</i>								
<i>Explanation : Only Spans 1 - 5 &amp; 7 - 12</i>								
Wearing Surface								
Concrete	100%			2039	**	5	\$338,400	
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$66,000	
<i>Other Observation, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Span 3</i>								
<i>Explanation : 3 Sft Stay In Place Form Is Corroded.</i>								
Joints								
Generic	100%	2-4	\$8,600	LIFE	**			
<i>Leakage, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Pier 10</i>								
<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Pier 4 Armored Joint At North Curb Damaged</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Spans 3, 4, 7 &amp; 10</i>								
<i>Explanation : Joints Filled With Dirt.</i>								
Primary Member								
Steel	100%			LIFE	**	2-8	\$1,530,700	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$1,282,300	
Movable Bridges								
Bascule Span								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Bascule Span 6</i>								
<i>Explanation : Sidewalk &amp; Roadway Wearing Surface Is New</i>								
Bascule Span Pier								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bascule Span Piers 5 &amp; 6</i>								
<i>Explanation : Base Of Trunnion Tower Columns Exhibit Corrosion,</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	\$14,400	2024	\$14,400			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Entire Bridge</i>								
<i>Explanation : Intercom Not Functioning</i>								

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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								
Telephone								
Desk Top	100%			2023				
Control System Electrical								
Control Console								
Stainless Steel	100%	4+	\$9,200	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 : 10%</i>					
			<i>Location : Control Desk</i>					
			<i>Explanation : Power Feeder Knob Broken, Indicating Lights</i>					
Control Devices								
Relay	100%	Now	\$7,400	2029		**		
			<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%			2037		**	1	\$35,900
Limit Switch								
Generic	100%			2037		**		
Local Starter								
Magnetic	100%			2037		**		
Drive								
Machinery Brake								
Thruster	100%			2050		**	1	\$1,100
Motor Brake								
Thruster	100%			2044		**	1	\$1,100
Span Lock Motor								
Generic	100%			2044		**	1	\$1,100
Electrical Power								
MCC								
Contactors	100%			2037		**		
PanelBoard								
Circuit Breaker	100%			2041		**	1	\$6,700
Service Equipment								
Not Accessible	100%							
Transfer Switch								
Not Accessible	100%							
Transformer								
Dry	100%			2037		**		
Exterior Lighting								
Lighting Contactor								
Generic	100%			2037		**	1	\$5,600
Lighting Fixture								
HID	100%			2017				
			<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Northeast And Southeast Roadway Lights Inoperative</i>					

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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
Exterior Lighting								
Pole								
Steel	100%			2025				
Spot Lighting								
Generic	40%			2017	\$6,300			
Generic	60%	Now	\$900	2022	\$9,400			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Areaways</i>								
Ground/Lightning Protection								
Ground Rod								
Not Accessible	100%							
Interior Lighting								
Lighting Fixture								
Fluorescent	100%			2018	\$3,200	1	\$5,600	
HID	100%			2022	\$3,200			
Incandescent	100%			2017	\$3,200			
Wiring Device								
Generic	100%			2029	**			
Navigation Lighting								
Fender Lighting								
Incandescent	100%			2019				
Span Lighting								
Incandescent	100%			2019		1	\$2,300	
Raceway								
Box								
Pull Junction	100%			2024		1	\$6,700	
Terminal	100%			2029	**	1	\$2,300	
Communications								
Twisted Shielded pair	100%			2023				
Conduit								
Metal	100%			2052	**			
Submarine Control Cables								
Generic	100%			2025	\$1,117,300			
Submarine Power Cable								
Generic	100%			2025				
Trough								
Metal	100%			2059	**	1	\$1,100	
Wires								
Thermoplastic	100%			2029	**			
Span Lock								
Motor								
Squirrel Cage	100%			2027	**			
Stand-by Power								
Transfer Switch								
Not Accessible	100%							
Traffic System Electrical								
Traffic Gate Lighting								
Incandescent	100%			2019		1	\$1,100	

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**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 Component Type</b>	<b>% of Total</b>	<b>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 Gong Generic	100%			2019		1	\$600	
Traffic Signal Generic	100%			2022		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>	

## Bascule

Counter Weight Generic	100%	2-4	\$50,000	2052	**	2	\$71,800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Counterweights</i>								
<i>Explanation : Some Corrosion Present</i>								

## Houses

Access Ways	100%	Now	\$24,800	2027	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout All Areas</i>								
<i>Explanation : Some Grating And Door/ Hatch Repair Necessary. Cwt Access Platform Missing At Northwest &amp; Northeast</i>								
Control House	100%	Now	\$55,800	2039	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Control House</i>								
<i>Explanation : The Roof, Some Doors And Windows Need Repair. Some Floor Panels Need Repair. Water Heater Leaks.</i>								
Machinery Room	100%	Now	\$34,300	2052	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Machinery Rooms</i>								
<i>Explanation : Machinery Rooms Are Corroded . Some Doors, Hatches And Locks Need Repair.</i>								

## Lock Bars

With Motor	100%	Now	\$106,400	2033	**			
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lock Bars</i>								
<i>Explanation : All Lockbar Clearances Need To Be Reduced. Oil Leakage From Gear Reducers And Components Are Corroding.</i>								

## Main Drive System

Generic	100%	Now	\$237,500	2052	**	2	\$215,500	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Operating Machinery</i>								
<i>Explanation : Oil Leakage. Components Are Corroding &amp; Coupling Gaskets Are Deteriorating. Southwest Differential Makes Atypical Noise</i>								

## Rack

Generic	100%	Now	\$28,700	2052	**			
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Racks</i>								
<i>Explanation : Some Corrosion On Supports And Fasteners.</i>								

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**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								
Structural Bearings								
Generic	100%	Now	\$1,100	2033			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</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	\$20,000	2027			* *	
<i>Other Observation, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : Vehicle Restraint System Requires Repair. Broken/ Missing Hardware &amp; Locks On Some Gates.</i>								
Warning Gate	100%	Now	\$24,800	2027			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Warning Gates</i>								
<i>Explanation : Broken Guy Wire And Anchor Bolt On One Gate. Missing Locks.</i>								
Trunnion								
Generic	100%	Now	\$95,200	2052			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$1,160,600	\$2,658,500
<b>Total</b>	<b>\$1,160,600</b>	<b>\$2,658,500</b>
Importance Code A	\$112,600	\$112,600
Importance Code B	\$505,900	
Importance Code C	\$542,100	\$2,545,900
<b>Total</b>	<b>\$1,160,600</b>	<b>\$2,658,500</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$64,800	\$29,000	\$13,700	
Bridge Electrical	\$41,200	\$6,600	\$6,600	\$6,600
Bridge Mechanical	\$120,000		\$71,800	
<b>Total</b>	<b>\$226,000</b>	<b>\$35,600</b>	<b>\$92,100</b>	<b>\$6,600</b>
Importance Code A	\$57,700		\$8,500	
Importance Code B	\$168,300	\$6,600	\$78,800	\$6,600
Importance Code C		\$29,000	\$4,800	
<b>Total</b>	<b>\$226,000</b>	<b>\$35,600</b>	<b>\$92,100</b>	<b>\$6,600</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**  
**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+	\$505,900	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	\$1,178,700			
Timber	50%	Now	\$353,600	2026	\$1,178,700			
			<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 &amp; 2.</i>							
	<i>Explanation : Piers 1 &amp; 2.</i>							
Approaches								
Pavement								
Asphalt	100%			2030	**	4	\$87,000	
Concrete	100%			2039	**	4		
Curbs								
Steel	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**	2-8	\$41,800	
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8		
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$18,200	
	<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	\$11,500	
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	\$13,800	
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	\$80,700	
<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	\$16,100	
Steel Grating	100%			LIFE	**	5	\$80,700	
<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	\$231,300	
<b>Secondary Member</b>								
Concrete	100%			LIFE	**	5		
<b>Movable Bridges</b>								
<b>Bascule Span</b>								
Steel	100%			LIFE	**			
<b>Bascule Span Pier</b>								
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>								
Intercom								
Generic	100%			2026	\$18,000			
Telephone								
Desk Top	100%			2026	\$300			
Jack								
Telephone	100%			2026	\$200			
<b>Control System Electrical</b>								
Computer								
PLC	100%	Now	\$7,400	2026	\$24,700			
<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	
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	\$20,400			
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	\$5,900	1	\$4,500	
Span Lighting								
Incandescent	100%	Now	\$2,200	2026	\$11,100	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>Priority</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	\$15,200	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	\$14,500	1	\$1,100	
Traffic Gate Lighting								
Incandescent	100%	Now	\$300	2026	\$14,500	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	\$15,200	1	\$600	
Traffic Sign								
Fixed	100%			2026				
Traffic Signal								
Generic	100%			2026	\$2,700	1	\$600	
<b>Lighting</b>								
Lighting Devices								
Generic	100%	Now	\$10,300	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>	<b>Priority</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	\$7,000	2061	**	2	\$71,800	
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Hpu &amp; Control Rooms</i>								
<i>Explanation : Operation Was Not Observed. Check Operation &amp; For The Presence Of Exhaust Gas In Control Tower. Missing Handle Locks</i>								
Fuel Tanks								
Generic	100%			2043	**			
Houses								
Access Ways	100%	Now	\$2,100	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 &amp; Chains. Missing Grates.</i>								
Control House	100%	Now	\$25,000	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	\$4,300	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	\$21,300	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	\$19,100	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**

<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>Bascule</b>								
Structural Bearings Generic	100%	Now	\$5,300	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	\$17,900	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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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$1,125,100	\$1,014,300
Bridge Electrical		\$137,000
Bridge Mechanical	\$101,600	
<b>Total</b>	<b>\$1,226,600</b>	<b>\$1,151,400</b>
Importance Code A	\$467,900	\$467,900
Importance Code B	\$529,200	\$564,600
Importance Code C	\$229,500	\$118,800
<b>Total</b>	<b>\$1,226,600</b>	<b>\$1,151,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$268,200	\$29,000	\$92,200	\$7,700
Bridge Electrical	\$46,000	\$6,600	\$6,600	\$6,600
Bridge Mechanical	\$166,100		\$98,800	
<b>Total</b>	<b>\$480,300</b>	<b>\$35,600</b>	<b>\$197,600</b>	<b>\$14,300</b>
Importance Code A	\$171,500		\$44,200	
Importance Code B	\$297,000	\$6,600	\$148,600	\$6,600
Importance Code C	\$11,800	\$29,000	\$4,800	\$7,700
<b>Total</b>	<b>\$480,300</b>	<b>\$35,600</b>	<b>\$197,600</b>	<b>\$14,300</b>



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

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

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**DEPARTMENT OF TRANSPORTATION - 841**  
**HAMILTON AVENUE BRIDGE SOUTHBOUND LEAF**

**Asset # : 4217**

Bridge Structure	Current Repair		Future Replacement		Maintenance			
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								

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

Maintenance \$ are aggregated over a ten-year period. Site 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+	\$110,700	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	\$11,800	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 &amp; 2.</i>								
<i>Explanation : Piers 1 &amp; 2.</i>								
Approaches								
Pavement								
Asphalt	100%			2030	**	4	\$87,000	
Concrete	100%			2039	**	4		
Curbs								
Steel	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**	2-8	\$41,800	
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE	**			
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8		
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$18,200	
<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	\$11,500	
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							

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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
Piers								
Pedestals								
Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 1 &amp; 2.</i>								
<i>Explanation : Concrete Pedestals For Span 2 At Pier 1 Bearings And For Span 3 At Pier 2 Bearings.</i>								
Deck Elements								
Curbs								
Steel	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**			
Median								
Cobblestone	100%			2052	**			
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$13,800	
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	\$80,700	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 2</i>								
<i>Explanation : Steel Grating In Bascule Span.</i>								
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$6,600	
Steel Grating	100%			LIFE	**	5	\$80,700	
<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	\$1,368,800	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$1,174,400	
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**

<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>	
Communication Electrical								
Communications								
Generic	100%			2026	\$34,500			
Control System Electrical								
Computer								
PLC	100%	Now	\$7,400	2026	\$24,700			
		<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	
Navigation Lighting								
Pier Lighting								
Incandescent	100%	Now	\$300	2026	\$5,900	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	\$2,200	2026	\$11,100	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	\$15,200	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	\$137,000	1	\$600	
Lighting								

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**DEPARTMENT OF TRANSPORTATION - 841  
HAMILTON AVENUE BRIDGE SOUTHBOUND LEAF**

**Asset # : 4217**

<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

50% Now \$5,200 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 \$10,300 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.*

<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% 2061 \* \* 2 \$44,900

## Emergency Drive

Emergency Power

100% Now \$19,900 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 \$10,700 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 & Chains. Missing Grates.*

Control House

100% Now \$27,100 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 \$8,600 2061 \* \*

*Other Observation, Extent : Light, Area Affected : 2%**Location : Machine Room**Explanation : Some Water Leakage Into Room*

## Lock Bars

With Motor

65% 0-2 \$16,300 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	\$20,000	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	\$8,500	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								
Barrier Gate	60%	Now	\$101,600	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	\$10,100	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$500,900	\$410,500
Bridge Electrical	\$169,600	\$95,200
Bridge Mechanical	\$520,200	\$247,600
<b>Total</b>	<b>\$1,190,700</b>	<b>\$753,300</b>
Importance Code A		\$114,300
Importance Code B	\$1,190,700	\$457,100
Importance Code C		\$182,000
<b>Total</b>	<b>\$1,190,700</b>	<b>\$753,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$10,900		\$56,400	\$3,200
Bridge Electrical	\$39,900		\$34,500	
Bridge Mechanical	\$7,600			
<b>Total</b>	<b>\$58,400</b>		<b>\$91,000</b>	<b>\$3,200</b>
Importance Code A	\$100		\$11,900	
Importance Code B	\$47,500		\$46,000	
Importance Code C	\$10,700		\$33,100	\$3,200
<b>Total</b>	<b>\$58,400</b>		<b>\$91,000</b>	<b>\$3,200</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	
Abutments								
Bridge Seat&pedestals								
Steel	100%			LIFE			* *	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Begin &amp; 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 &amp; End Abutment.</i>								
<i>Explanation : Debris On Bearings.</i>								
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	Now	\$109,300	LIFE			* *	
<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Begin &amp; End Abutment</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Begin &amp; End Abutment</i>								
<i>Explanation : Joint Sealer Cracked And Allows Water &amp; 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+	\$391,600	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Pier 1 &amp; Bascule Pier 2</i>								
<i>Rotted, Extent : Light, Area Affected : 20%</i>								
<i>Location : Both Piers</i>								
Approaches								
Pavement								
Concrete	100%			2029	**	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+	\$500	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	\$182,000	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	**	5	\$66,200	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 3 &amp; 4.</i>								
<i>Explanation : Conc. Wearing Surface In Spans 1, 3 &amp; 4.</i>								
Concrete	10%	4+	\$9,300	2029	**	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, &amp; 4</i>								
<i>Explanation : Located In Spans 1, 3, &amp; 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 &amp; 4.</i>								
<i>Explanation : Located In Spans 1, 3 &amp; 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 &amp; 4.</i>								
<i>Explanation : Located In Spans 1, 3 &amp; 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 &amp; 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	2019	\$34,500			
<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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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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

**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	\$700	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+	\$1,800	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 Control								
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	\$34,700	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%			2019	\$169,600			
<b>Lighting</b>								
Lighting Devices								
Generic	100%	Now	\$1,900	2025	\$95,200			
	<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

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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	\$35,100	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	\$35,100	2029			* *	
		<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	\$102,100	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	\$25,100	2029			* *	
		<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	\$125,500	2029			* *	
		<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	\$121,500	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	\$7,600	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**

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								
Traffic Devices								
Barrier Gate	100%	Now	\$75,800	2029				**
<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	\$247,600			

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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

CAPITAL		FY 2017 - 2020	FY 2021 - 2026
Bridge Structure		\$1,841,300	\$1,374,300
Bridge Electrical		\$51,800	\$1,015,800
Bridge Mechanical		\$554,200	\$927,100
<b>Total</b>		<b>\$2,447,300</b>	<b>\$3,317,200</b>
Importance Code A		\$1,065,100	\$598,100
Importance Code B		\$1,236,400	\$2,573,300
Importance Code C		\$145,800	\$145,800
<b>Total</b>		<b>\$2,447,300</b>	<b>\$3,317,200</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$359,000	\$5,600	\$138,400	
Bridge Electrical	\$12,800			
Bridge Mechanical	\$70,400			
<b>Total</b>	<b>\$442,200</b>	<b>\$5,600</b>	<b>\$138,400</b>	
Importance Code A	\$213,200		\$51,200	
Importance Code B	\$222,900		\$63,200	
Importance Code C	\$6,100	\$5,600	\$24,000	
<b>Total</b>	<b>\$442,200</b>	<b>\$5,600</b>	<b>\$138,400</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
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	100%			LIFE			* *	
Mat (scour & erosion)								
Earth	100%	4+	\$3,900	LIFE			* *	
			<i>Erosion, Extent : Light, Area Affected : 10%</i>					
			<i>Location : End Abutment Drainage</i>					
Generic	100%			LIFE			* *	
Pedestals								
Concrete	100%			LIFE			* *	
Wingwalls								
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			* *	
Feature Crossed								
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 &amp; 5.</i>					
			<i>Explanation : Granite Block Facade</i>					
Timber	100%			LIFE			* *	
			<i>Other Observation, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Piers 2 &amp; 3.</i>					
			<i>Explanation : Piers 2 &amp; 3.</i>					
Approaches								

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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	
Approaches								
Pavement								
Asphalt	80%			2030	**	4	\$14,500	
Asphalt	20%	4+	\$5,700	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	\$8,700	
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	\$2,400	
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	\$61,300	
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	\$151,100	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 2 &amp; 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 &amp; 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
Piers								
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2052	**			
Steel	100%	4+	\$56,700	LIFE	**	2-8	\$8,200	
<i>Corrosion, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Piers 2 &amp; 3</i>								
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	**			
Guide Railing								
Steel	100%			LIFE	**			
Median								
Concrete	100%			LIFE	**	5	\$20,200	
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$106,900	
Sidewalks								
Concrete	100%			2034	**	5	\$11,400	
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>								
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>								
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$106,500	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 2, 4 - 7.</i>								
<i>Explanation : Concrete Deck.</i>								
Grating w/ Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 2 &amp; 4.</i>								
<i>Explanation : Half The Spans Have Grating With Concrete.</i>								
Steel Grating	100%			LIFE	**	5	\$116,300	
<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**

Bridge Structure		Current 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	\$1,489,100	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1, 2 &amp; 4 - 7.</i>								
<i>Explanation : Structural Steel</i>								
Secondary Member								
Steel	100%			LIFE	**	2-8	\$1,643,500	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1. 2 &amp; 4 - 7.</i>								
<i>Explanation : Structural Steel</i>								
Movable Bridges								
Bascule Span								
Steel	90%			LIFE	**			
Steel	10%	Now	\$368,000	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>								
Bascule Span Pier								
Concrete	95%			LIFE	**			
Concrete	5%	4+	\$42,300	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>								

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%			2024	\$14,400			
Telephone								
Desk Top	100%			2024				
Control System Electrical								
Control Console								
Generic	100%			2039	**			
Control Devices								
Relay	100%			2031	**			
Disconnect Switch								
Generic	100%			2039	**			
Limit Switch								
Generic	100%	Now	\$1,900	2024	\$95,400			
<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>								

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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	
Electrical Power								
Transfer Switch								
Auto	100%	2-4	\$10,900	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+	\$51,800	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	\$817,100			
Submarine Power Cable								
Power	100%			2024				
Wiring								
Generic	100%			2027			* *	
Traffic System Electrical								
Barrier Gate Lighting								
Incandescent	100%			2021	\$14,500			
Traffic Gate Lighting								
Incandescent	100%			2021	\$14,500			
Traffic Gong								
Not Accessible	100%							
Lighting								
Lighting Devices								
Generic	100%			2024	\$103,300			

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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
<b>Bascule</b>								
Counter Weight								
Not Accessible	100%							
<hr/>								
Emergency Drive								
Emergency Power	100%	Now	\$4,800	2041			* *	
			<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : All Machine Rooms</i>					
			<i>Explanation : No Operation Observed. Emergency Drive Was Reported Not To Have Been Run In A Long Time, Should Be Tested.</i>					
<hr/>								
<b>Houses</b>								
Access Ways	100%	Now	\$11,800	2029			* *	
			<i>Other Observation, Extent : Severe, Area Affected : 50%</i>					
			<i>Location : Access Ways (only North Accessible)</i>					
			<i>Explanation : Some Doors Do Not Close Properly. Open Pier Area Behind Inboard Trunnions.</i>					
<hr/>								
Auxiliary	100%	Now	\$13,800	2029			* *	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : South Auxiliary House, Not Accessible</i>					
			<i>Explanation : Leaky Door Reported</i>					
<hr/>								
Control House	100%	Now	\$51,100	2041			* *	
			<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Control House</i>					
			<i>Explanation : Leaky Door. Exhaust Fan Non-functioning Bathroom Locked And Not Functioning. Heat &amp; Ac In Top Of Control House Only</i>					
<hr/>								
Machinery Room	100%	Now	\$8,600	2041			* *	
			<i>Other Observation, Extent : Light, Area Affected : 60%</i>					
			<i>Location : Machine Rooms (only North Accessible)</i>					
			<i>Explanation : Water Observed In Some Rooms. Some Doors Do Not Close Properly.</i>					
<hr/>								
<b>Lock Bars</b>								
With Motor	100%	Now	\$216,300	2029			* *	
			<i>Other Observation, Extent : Severe, Area Affected : 60%</i>					
			<i>Location : Lock Bars (only Observed From Sidewalk, Machinery Not Accessible)</i>					
			<i>Explanation : No Operation Observed. Movement Of Spans Observed From Sidewalk, May Require Adjustments. One Lock Not Working.</i>					
<hr/>								
<b>Main Drive System</b>								
Generic	100%	4+	\$98,100	2041			* *	
			<i>Other Observation, Extent : Moderate, Area Affected : 60%</i>					
			<i>Location : North Machine Rooms (south Machine Rooms Not Accessible)</i>					
			<i>Explanation : Operation Not Observed. Some Corrosion, Lubricant Leakage &amp; Possible Contamination. Brake Adjustments May Be Required.</i>					
<hr/>								
<b>Rack</b>								
Generic	60%	0-2	\$62,000	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>					
<hr/>								
Generic	40%			2041			* *	
<hr/>								
<b>Structural Bearings</b>								
Not Accessible	100%							

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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	
Bascule								
Traffic Devices								
Barrier Gate	100%	Now	\$64,200	2022	\$641,700			
<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	\$2,800	2029		* *		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : South Traffic Signal Missing Visor.</i>								
Warning Gate	100%	Now	\$28,500	2022	\$285,400			
<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	\$62,600	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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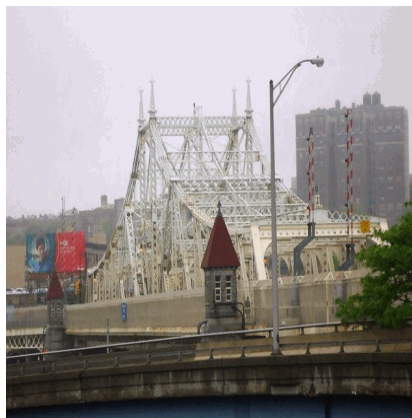
Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : MACOMBS DAM BRIDGE E.155 ST./HARLEM RIVER  
**Address** : E.155 ST. & 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** : 16-May-2011 **Landmark Status** : EXTERIOR LANDMARK  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 1240090

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$3,640,200	\$6,381,500
<b>Total</b>	<b>\$3,640,200</b>	<b>\$6,381,500</b>
Importance Code A	\$1,744,500	\$3,142,900
Importance Code B	\$1,842,100	\$3,185,100
Importance Code C	\$53,600	\$53,600
<b>Total</b>	<b>\$3,640,200</b>	<b>\$6,381,500</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$16,600		\$623,200	
Bridge Electrical	\$17,200	\$7,500	\$7,500	\$7,500
Bridge Mechanical	\$130,000		\$80,800	
<b>Total</b>	<b>\$163,800</b>	<b>\$7,500</b>	<b>\$711,500</b>	<b>\$7,500</b>
Importance Code A			\$303,800	
Importance Code B	\$147,200	\$7,500	\$407,800	\$7,500
Importance Code C	\$16,600			
<b>Total</b>	<b>\$163,800</b>	<b>\$7,500</b>	<b>\$711,500</b>	<b>\$7,500</b>



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**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								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	Now	\$51,500	LIFE			* *	
			<i>Missing/Damaged Seal, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Begin Abutment Joint Sealer Damaged</i>					
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Pedestals								
Concrete	100%			LIFE			* *	
Stem (breastwall)								
Masonry: Granite	100%			LIFE			* *	
Walls								
Not Accessible	100%							
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE			* *	
Masonry: Granite	100%	4+	\$16,600	LIFE			* *	
			<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Begin Right Wingwall Has Voids And Displacement 4 inches.</i>					
<b>Feature Crossed</b>								
Bank Protection								
Concrete	100%			LIFE			* *	
Riprap	100%			LIFE			* *	
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Concrete	100%	4+	\$131,400	LIFE			* *	
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Pier 36</i>					
			<i>Explanation : Concrete With Timber Bumpers.</i>					
<b>Approaches</b>								
Pavement								
Concrete	100%			2037			* * 4	

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**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>Approaches</b>								
Curbs								
Steel	100%			LIFE	**			
Guide Railing								
Steel	100%			LIFE	**	2-8	\$18,100	
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE	**			
<b>Piers</b>								
Cap Beam								
Steel	100%	4+	\$571,400	LIFE	**	2-8	\$1,633,900	
<i>Corrosion, Extent : Moderate, Area Affected : 6%</i>								
<i>Location : Piers 4, 17, &amp; 25. 25 Is Most Severe.</i>								
Pier,Columns								
Steel	100%	4+	\$1,061,600	LIFE	**	2-8	\$2,821,200	
<i>Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Pier 31 Right Side Column Knee Brace.</i>								
<i>Corrosion, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Pier 17</i>								
Stem,Solid Pier								
Concrete	100%	4+	\$456,500	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Pier 51</i>								
Masonry	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Steel	25%	Now	\$369,000	LIFE	**	2-8	\$49,000	
<i>Joint Freezing, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Piers 2, 6, 10, 18, 22, 25, 27, 29, &amp; 31 Exp. Bridges Frozen.</i>								
Steel	70%			LIFE	**	2-8	\$49,000	
Steel	5%	Now	\$36,900	LIFE	**	2-8	\$49,000	
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Pier 14</i>								
<i>Explanation : Loose Exp. Brg. Plates At 5 Brgs.</i>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Pedestals								
Steel	100%	2-4	\$56,400	LIFE	**			
<i>Corrosion, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Pier 4, 10, 12, 17, 25 &amp; 29.</i>								
<b>Deck Elements</b>								
Curbs								
Steel	100%			LIFE	**			
Guide Railing								
Concrete	100%			2042	**			
Steel	100%			LIFE	**			

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**DEPARTMENT OF TRANSPORTATION - 841**  
**MACOMBS DAM BRIDGE E.155 ST./HARLEM RIVER**

**Asset # : 4180**

<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>								
Mono Deck Surface								
Concrete	100%			2052	**	5		
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$136,600	
Sidewalks								
Concrete	100%			2032	**	5	\$107,100	
Wearing Surface								
Concrete	100%			2037	**	5		
<b>Superstructure</b>								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$122,600	
Joints								
Steel	100%			LIFE	**			
Generic	100%			LIFE	**			
Primary Member								
Steel	95%			LIFE	**	2-8	\$2,059,400	
Steel	5%	4+	\$767,200	LIFE	**	2-8	\$2,059,400	
<i>Corrosion, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Span 40 Bottom Chord Eyebars.</i>								
Secondary Member								
Steel	90%			LIFE	**	2-8	\$1,725,200	
Steel	10%	4+	\$84,700	LIFE	**	2-8	\$1,725,200	
<i>Corrosion, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Spans 23, 26, 30, 37, &amp; 40 Cross Frame Diaphragms.</i>								
<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>								
Intercom								
Generic	100%			2022	\$15,800			
Telephone								
Wall Mounted	100%			2022				
Jack								
Telephone	100%			2022				
<b>Control System Electrical</b>								
Computer								
PLC	100%	Now	\$8,100	2021	\$27,100			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Plc Cabinet</i>								
<i>Explanation : Plc Program Is Not Present In Either Processor, Bridge Is Not Operable On Main System</i>								

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**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%			2042	** *			
Disconnect Switch								
Non Fused	100%			2042	** *	1	\$35,900	
Limit Switch								
Rotary	100%			2022				
Local Starter								
Magnetic	100%			2042	** *			
Drive								
Grating Motor								
Generic	100%			2052	** *			
Machinery Brake								
Thruster	100%			2052	** *	1	\$600	
Motor Brake								
Thruster	100%			2052	** *	1	\$1,100	
Electrical Power								
MCC								
Generic	10%	Now	\$1,600	2042	** *			
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Machine Room Mcc</i>						
		<i>Explanation : Southeast Endlift Starter Bad In Mcc</i>						
Generic	90%			2042	** *			
PanelBoard								
Circuit Breaker	100%			2042	** *	1	\$6,700	
Transfer Switch								
Auto	100%			2042	** *			
Exterior Lighting								
Lighting Contactor								
Generic	100%			2042	** *	1	\$5,600	
Lighting Fixture								
Generic	100%			2022				
Spot Lighting								
Generic	100%			2022				
Ground/Lightning Protection								
Ground Bus								
Copper	100%			2027	** *			
Ground Rod								
Copper	100%			2022				
Ground Wire								
Green	100%			2027	** *			
Interior Lighting								
Exit Lighting								
Battery Operated	100%			2027	** *			
Lighting Fixture								
Fluorescent	100%			2027	** *	1	\$5,600	

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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>	
Navigation Lighting								
Fender Lighting								
Incandescent	100%			2022		1	\$3,400	
Pier Lighting								
Incandescent	100%			2022		1	\$4,500	
Span Lighting								
Incandescent	100%			2022		1	\$2,300	
Raceway								
Box								
Pull Junction	100%			2032	**	1	\$3,900	
Terminal	100%			2032	**	1	\$4,500	
Collector Ring								
Metal	100%			2032	**			
Conduit								
Metal	100%			2062	**			
Submarine Control Cables								
Control	100%			2027	**			
Submarine Power Cable								
Power	100%			2027	**			
Trough								
Metal	100%			2062	**	1	\$1,100	
Wires								
Thermoplastic	100%			2042	**			
Span Lock								
Motor								
Squirrel Cage	100%			2037	**			
		<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%			2042	**			
Traffic System Electrical								
Barrier Gate Lighting								
Not Accessible	100%							
Traffic Gate Lighting								
Not Accessible	100%							
Traffic Gong								
Not Accessible	100%							
Traffic Sign								
Fixed	100%			2022				
Traffic Signal								
Not Accessible	100%							

<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>	

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**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								
Center Latch Generic	100%			2057	* *	2	\$22,500	
<i>Other Observation, Extent : Light, Area Affected : 1%</i> <i>Location : East &amp; West</i> <i>Explanation : Could Not Be Tested Due To Electrical Problem.</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 Due To Electrical Problem.</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 In 2010.</i>								
End Lift Generic	100%	Now	\$21,500	2057	* *	2	\$35,900	
<i>Other Observation, Extent : Light, Area Affected : 5%</i> <i>Location : East &amp; West Rest Piers</i> <i>Explanation : Corrosion, Southeast Reported To Not Be Operational. Could Not Be Tested Due To Electrical Problem. Install Covers.</i>								
Fuel Tanks Generic	100%			2039	* *			
Houses								
Access Ways	100%	Now	\$9,400	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	\$5,100	2057	* *			
<i>Other Observation, Extent : Light, Area Affected : 1%</i> <i>Location : Control House</i> <i>Explanation : Broken Door Lock</i>								
Machinery Room	100%			2057	* *			
Main Drive System								
Generic	100%	0-2	\$28,800	2057	* *	2	\$179,600	
<i>Other Observation, Extent : Light, Area Affected : 2%</i> <i>Location : Operating Machinery</i> <i>Explanation : Corrosion, Grease On Inside Surface Of Brakewheel, Breathers Will Need To Be Changed Soon. Could Not Be Tested.</i>								
Structural Bearings								
Generic	100%			2035	* *			
<i>Other Observation, Extent : Light, Area Affected : 2%</i> <i>Location : East &amp; West Rest Pier</i> <i>Explanation : Minor Corrosion &amp; Debris. Three Open Bolt Holes At Back Of Each Base.</i>								

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**DEPARTMENT OF TRANSPORTATION - 841  
MACOMBS DAM BRIDGE E.155 ST./HARLEM RIVER**

**Asset # : 4180**

<b>Bridge 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>
Swing								
Traffic Devices								
Barrier Gate	100%	Now	\$21,800	2035		* *		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : East &amp; West Approaches</i>								
<i>Explanation : Missing Locking Arms, Nw Barrier Gate Not Working. Could Not Be Tested Due To Elec Problem. Check Guy Wires Tension.</i>								
Warning Gate	50%	Now	\$13,500	2035		* *		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Pedestrian Gates</i>								
<i>Explanation : Sw Pedestrian Gate Not Working, Stuck In Closed Position. Pedestrian Gate Arms Not Installed. Could Not Be Tested.</i>								
Warning Gate	50%	0-2	\$2,700	2035		* *		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Warning Gates</i>								
<i>Explanation : Could Not Be Tested Due To Electrical Problem. Check Guy Wires Tension.</i>								

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$226,600	\$896,500
Bridge Electrical		\$233,000
Bridge Mechanical	\$558,300	
<b>Total</b>	<b>\$784,800</b>	<b>\$1,129,500</b>
Importance Code A		\$350,300
Importance Code B	\$558,300	\$552,600
Importance Code C	\$226,600	\$226,600
<b>Total</b>	<b>\$784,800</b>	<b>\$1,129,500</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$19,300	\$28,100	\$68,000	
Bridge Electrical	\$25,100	\$3,900	\$3,900	\$18,400
Bridge Mechanical	\$52,300		\$71,800	
<b>Total</b>	<b>\$96,700</b>	<b>\$32,000</b>	<b>\$143,700</b>	<b>\$18,400</b>
Importance Code A	\$1,100		\$35,900	
Importance Code B	\$89,100	\$3,900	\$107,800	\$18,400
Importance Code C	\$6,400	\$28,100		
<b>Total</b>	<b>\$96,700</b>	<b>\$32,000</b>	<b>\$143,700</b>	<b>\$18,400</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**  
**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
Abutments								
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	**			
Wingwalls								
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>								
Feature Crossed								
Bank Protection								
Concrete	100%			LIFE	**			
Riprap	100%			LIFE	**			
Timber	100%			2030	**			
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	100%			LIFE	**			
Approaches								
Pavement								
Asphalt	100%			2029	**	4	\$8,100	
Concrete	100%			2038	**	4		
Curbs								
Concrete	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**  
**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>Approaches</b>								
Guide Railing								
Steel	100%	Now	\$1,100	LIFE	**	2-8	\$11,700	
<i>Damaged Railing, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : End Approach Left (north) Side.</i>								
<hr/>								
Sidewalks								
Concrete	100%			LIFE	**			
<hr/>								
<b>Piers</b>								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$252,300	
<hr/>								
Pier,Columns								
Steel	100%			LIFE	**	2-8	\$301,600	
<hr/>								
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>								
<hr/>								
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2051	**			
Steel	100%			LIFE	**	2-8	\$6,200	
<hr/>								
Footings								
Not Accessible	100%							
<hr/>								
Mat (scour & erosion)								
Not Accessible	100%							
<hr/>								
Pedestals								
Concrete	100%	0-2	\$10,700	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Piers 12 &amp; 14.</i>								
<hr/>								
<b>Deck Elements</b>								
Gratings								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 13 &amp; 14</i>								
<i>Explanation : Spans 13 &amp; 14</i>								
<hr/>								
Guide Railing								
Concrete	100%			2045	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1 - 12 &amp; 15 - 21.</i>								
<i>Explanation : Concrete Guide Railings Both Sides.</i>								
<hr/>								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 13 &amp; 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
Deck Elements								
Median								
Concrete	100%			LIFE	**	5	\$5,600	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 8 - 12 &amp; 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 &amp; 14</i>								
<i>Explanation : Swing Spans</i>								
Railings/Parapets								
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 &amp; Chain-link Fence On One Side Only.</i>								
Sidewalks								
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 &amp; 14.</i>								
<i>Explanation : Swing Span</i>								
Wearing Surface								
Asphalt	100%			2029	**	5	\$84,700	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1 - 12 (both Sides) &amp; 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>								
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$23,900	
Grating w/ Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 13 &amp; 14.</i>								
<i>Explanation : Swing Span.</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.

**DEPARTMENT OF TRANSPORTATION - 841**  
**MADISON AVE. BRIDGE MADISON AVE. BRIDGE/HARLEM RIVER**  
**Asset # : 4209**

<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>								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 12 &amp; 14.</i>								
<i>Explanation : Steel Joint.</i>								
Generic	80%			LIFE	**			
Generic	20%	0-2	\$3,700	LIFE	**			
<i>Leakage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Piers 3, 9, 11 &amp; 18.</i>								
<b>Primary Member</b>								
Steel	100%			LIFE	**	2-8	\$401,200	
<b>Secondary Member</b>								
Steel	100%			LIFE	**	2-8	\$336,100	
<b>Movable Bridges</b>								
<b>Swing Span Truss</b>								
Steel	100%			LIFE	**			
<b>Swing Span Pivot Pier</b>								
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>								
<b>Intercom</b>								
Generic	100%	Now	\$10,800	2023	\$18,000			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Entire Bridge</i>								
<i>Explanation : Intercom System Is Not Functioning</i>								
<b>Control System Electrical</b>								
<b>Computer</b>								
PLC	50%			2024	\$12,400			
PLC	50%			2024	\$12,400			
<b>Control Console</b>								
Stainless Steel	50%			LIFE	**			
Stainless Steel	50%			LIFE	**			
<b>Control Devices</b>								
Relay	100%			2042	**			
<b>Disconnect Switch</b>								
Generic	100%			2042	**			
<b>Limit Switch</b>								
Generic	100%	0-2	\$1,500	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>								
<b>Local Starter</b>								
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	\$5,500	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			\$24,900	
Pole Aluminum	100%			2029	* *			
Interior Lighting								
Lighting Fixture Fluorescent	100%	Now	\$200	2029	* *	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	\$400	2023	\$8,800	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	\$5,900	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>	<b>Priority</b>
Navigation Lighting								
Span Lighting								
Incandescent	100%	Now	\$3,500	2023	\$7,000	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	* *			
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	\$14,500	1	\$1,100	
Traffic Gate Lighting								
Incandescent	100%	Now	\$700	2024	\$14,500	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	\$15,200	1	\$600	
Traffic Signal								
Generic	100%			2024	\$233,000	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>	<b>Priority</b>
Swing								

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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**  
**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	\$26,600	2028	**	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	\$174,000	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	\$223,700	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	\$66,800	2040	**			
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Accessways And Fender Decking</i>								
<i>Explanation : Corroded Grating &amp; Supports. Some Nails Are Popping Out Of Boards Around The Pier. Missing Pinion Platform</i>								
Control House	100%	Now	\$16,700	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	\$51,100	2028	**	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	\$42,700	2028	**			
<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	\$7,200	2028	**			
<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	\$1,800	2028	**			
<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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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$40,776,900	\$5,799,300
Bridge Electrical	\$1,807,200	\$233,000
Bridge Mechanical	\$3,110,700	
<b>Total</b>	<b>\$45,694,900</b>	<b>\$6,032,300</b>
Importance Code A	\$36,832,700	\$1,663,300
Importance Code B	\$7,949,200	\$3,556,200
Importance Code C	\$912,900	\$812,800
<b>Total</b>	<b>\$45,694,900</b>	<b>\$6,032,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$88,400		\$296,600	
Bridge Electrical	\$95,600	\$600	\$600	\$600
Bridge Mechanical	\$38,600			\$11,400
<b>Total</b>	<b>\$222,600</b>	<b>\$600</b>	<b>\$297,100</b>	<b>\$12,000</b>
Importance Code A	\$43,900		\$150,600	
Importance Code B	\$175,400	\$600	\$146,500	\$12,000
Importance Code C	\$3,300			
<b>Total</b>	<b>\$222,600</b>	<b>\$600</b>	<b>\$297,100</b>	<b>\$12,000</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**  
**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	\$11,400	LIFE			* *	
<i>Erosion, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Both Beginning And End Abutments</i>								
Stem (breastwall)								
Concrete	100%	4+	\$437,900	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+	\$256,800	LIFE			* *	
<i>Erosion, Extent : Severe, Area Affected : 20%</i>								
<i>Location : At All Four Wingwalls</i>								
Piles								
Not Accessible	100%							
Walls								
Concrete	100%	4+	\$74,000	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	\$57,900	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+	\$56,700	2025	\$283,700	4	\$9,700	
<i>Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Both Approaches</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.



**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>Approaches</b>								
<b>Curbs</b>								
Concrete	100%	Now	\$16,000	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>								
<hr/>								
<b>Embankment</b>								
Earth	100%	2-4	\$900	LIFE			**	
<i>Erosion, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Both Approaches</i>								
<hr/>								
<b>Guide Railing</b>								
Steel	50%	Now	\$1,400	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>								
<hr/>								
<b>Pavement Base</b>								
Not Accessible	100%							
<hr/>								
<b>Sidewalks</b>								
Asphalt	100%	2-4	\$2,300	2025	\$11,600	4		\$900
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : End Approach South Side</i>								
<hr/>								
<b>Piers</b>								
<b>Cap Beam</b>								
Concrete	60%	2-4	\$479,700	LIFE			**	
<i>Delaminations, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Piers 3, 4, 5, 10, 11 &amp; 13</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Piers 3, 4, 5, 10, 11 &amp; 13</i>								
Concrete	40%			LIFE			**	

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

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

**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
Piers								
Pier,Columns								
Concrete	44%			LIFE				**
Concrete	33%	4+	\$1,927,600	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	\$335,900	LIFE				**
<i>Cracks, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Piers 3 &amp; 11</i>								
<i>Delaminations, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Piers 3 &amp; 11</i>								
Stem,Solid Pier								
Concrete	25%	4+	\$284,500	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				**
Brngs,Ancr Blts,Pads								
Steel	100%	2-4	\$2,218,000	LIFE		2-8	\$40,300	**
<i>Corrosion, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Piers 2, 3, 4, 5, 10, 11 &amp; 12</i>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Riprap	100%	4+	\$3,100	LIFE				**
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 2 &amp; 12</i>								
<i>Explanation : Solid Stem Pier</i>								
Pedestals								
Concrete	100%	4+	\$24,900	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>								

**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**  
**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	\$3,777,300	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+	\$77,000	LIFE	**	5	\$3,300	
<i>Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Span 3, 4, 5, 7, 9, 10, 11, 12, 13 &amp; 14</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Span 3, 4, 5, 7, 9, 10, 11, 12, 13 &amp; 14</i>								
Steel	30%	4+	\$17,400	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+	\$5,300	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+	\$47,400	2029	**	5	\$10,400	
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Spans</i>								
Concrete	30%	0-2	\$106,600	2032	**	5	\$10,400	
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Spans</i>								
Concrete	30%	Now	\$106,600	2029	**	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
Deck Elements								
Wearing Surface								
Asphalt	50%	0-2	\$89,000	2025	\$222,600	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	\$66,800	2025	\$222,600	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>								
Superstructure								
Deck, Structural								
Concrete	90%	4+	\$2,624,400	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 &amp; 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	\$58,300	LIFE	**	5	\$72,800	
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Span 10</i>								
<i>Explanation : 6ft X 7ft Hole In The Deck</i>								
Joints								
Generic	100%	Now	\$108,800	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**

<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>Primary Member</b>								
Concrete	100%	4+	\$2,795,700	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+	\$13,481,600	LIFE	**	2-8	\$1,358,800	
<i>Corrosion, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Spans 3, 4, 9, 10 &amp; 11</i>								
<i>Loss of Section, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Spans 3, 4, 9, 10 &amp; 11</i>								
Steel	75%			LIFE	**	2-8	\$1,358,800	
<b>Secondary Member</b>								
Concrete	90%			LIFE	**	5	\$933,900	
Concrete	10%	2-4	\$4,900	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+	\$45,500	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+	\$11,057,200	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+	\$205,800	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bascule Piers 7 &amp; 8</i>								
<i>Explanation : Concrete Deterioration</i>								
Concrete	90%			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>								
<b>Communications</b>								
Generic	100%	Now	\$34,500	2024	\$34,500			
<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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*\*\* 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 Electrical		Current 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	\$14,400	2024	\$14,400			
<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	\$7,200	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				**
Disconnect Switch								
Non Fused	100%			2029				**
Limit Switch								
Lever	100%			2019				
Plunger	100%			2019				
Generic	100%			2029				**
Drive								
Machinery Brake								
Thruster	100%			2044				**
Motor Brake								
Thruster	100%	0-2	\$61,700	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	Priority
Interior Lighting								
Lighting Fixture								
Fluorescent	100%	Now	\$1,000	2028			* *	
<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	\$1,300	2028			* *	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Lighting Fixtures Throughout Bridge Are Broken</i>								
Incandescent	100%	4+	\$600	2024	\$3,200			
<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	\$18,400	2024	\$18,400			
<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	\$14,700	2023	\$29,400			
<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%			2019				
Conduit								
Metal	100%	4+	\$507,600	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%			2018				
Submarine Power Cable								
Power	100%			2022				
Trough								
Metal	100%			2039			* *	
Wires								
Rubber	100%	0-2	\$177,100	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>	<b>Priority</b>
Raceway								
Wiring								
Generic	100%	Now	\$1,060,800	2029		* *		
<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%			2019				
Traffic Gong								
Generic	100%	Now	\$2,800	2024	\$2,800			
<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	\$233,000			
<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>Priority</b>
Bascule								
Counter Weight								
Generic	100%	2-4	\$529,900	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	\$34,600	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	\$34,600	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	\$3,900	2029		* *		
<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>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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 Mechanical	Current 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	\$55,500	2027			* *	
<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	\$102,100	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	\$44,100	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	\$281,900	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	\$1,877,300	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	\$21,200	2027			* *	
<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	\$1,100	2020	\$11,400			
<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	\$12,400	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	\$150,600	2027			* *	
<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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Electrical	\$52,000	
Bridge Mechanical	\$489,500	
<b>Total</b>	<b>\$541,500</b>	
Importance Code B	\$541,500	
<b>Total</b>	<b>\$541,500</b>	

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$19,700		\$6,800	
Bridge Electrical	\$84,800			
Bridge Mechanical	\$39,900			
<b>Total</b>	<b>\$144,500</b>		<b>\$6,800</b>	
Importance Code A	\$12,300			
Importance Code B	\$124,800			
Importance Code C	\$7,400		\$6,800	
<b>Total</b>	<b>\$144,500</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.

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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	\$7,400	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
<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 &amp; 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 &amp; 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	\$12,300	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			**	
Bridge Electrical								
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	\$20,700	2022	\$34,500			
<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	\$14,800	2022	\$24,700			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electric 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	\$9,200	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	\$19,600	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>	<b>Priority</b>
Electrical Power								
Dist Equip & Motor Control								
Generic	1%	Now	\$11,000	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	\$52,000	2029		* *		
<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	\$9,500	2029		* *		
<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>	<b>Priority</b>
Vertical Lift								
Counter Weight Ropes & Gu								
Generic	100%	Now	\$8,500	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	
<b>Vertical Lift</b>								
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>							
<hr/>								
End Locks With Motor	100%	Now	\$349,100	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>							
<hr/>								
<b>Houses</b>								
Access Ways	100%	Now	\$12,600	2037			* *	
	<i>Other Observation, Extent : Moderate, Area Affected : 1%</i>							
	<i>Location : Span Lock Access</i>							
	<i>Explanation : Hatches Need Repair.</i>							
<hr/>								
Control House	100%	Now	\$13,600	2059			* *	
	<i>Other Observation, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Control House</i>							
	<i>Explanation : Leaking Windows And Roof</i>							
<hr/>								
HVAC	100%			2052			* *	
Machinery Room	100%			2059			* *	
<hr/>								
<b>Main Drive System</b>								
Generic	100%	Now	\$140,400	2059			* *	
	<i>Other Observation, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : Machine Rooms</i>							
	<i>Explanation : Motors, Brakes &amp; Reducers Making Noise. Brakes Require Cleaning &amp; Possible Adjustment.</i>							
<hr/>								
<b>Sheaves</b>								
Generic	1%	Now	\$600	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>							
<hr/>								
Generic	99%			2059			* *	
<hr/>								
<b>Traffic Devices</b>								
Barrier Gate	100%			2033			* *	
Warning Gate	100%	Now	\$4,600	2033			* *	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Warning Gate</i>							
	<i>Explanation : Broken Door Hardware Noted</i>							
<hr/>								

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 22-May-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240200

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$8,712,600	\$580,800
Bridge Electrical	\$473,600	\$2,484,900
Bridge Mechanical	\$842,800	
<b>Total</b>	<b>\$10,029,000</b>	<b>\$3,065,800</b>
Importance Code A	\$8,508,600	\$259,900
Importance Code B	\$1,520,500	\$2,484,900
Importance Code C		\$320,900
<b>Total</b>	<b>\$10,029,000</b>	<b>\$3,065,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$36,600	\$12,700	\$8,600	\$9,800
Bridge Electrical	\$106,600	\$200	\$200	\$200
Bridge Mechanical	\$152,900			
<b>Total</b>	<b>\$296,100</b>	<b>\$12,900</b>	<b>\$8,800</b>	<b>\$10,000</b>
Importance Code A	\$2,100	\$12,700	\$8,600	
Importance Code B	\$259,500	\$200	\$200	\$200
Importance Code C	\$34,400			\$9,800
<b>Total</b>	<b>\$296,100</b>	<b>\$12,900</b>	<b>\$8,800</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.

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**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
Abutments								
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			* *	
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Riprap	100%			LIFE			* *	
			<i>Settlement, Extent : Light, Area Affected : 1%</i>					
			<i>Location : Begin Right Wingwall</i>					
Piles								
Not Accessible	100%							
Walls								
Granite	100%			LIFE			* *	
Feature Crossed								
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 &amp; 4</i>					
			<i>Explanation : New Pier Protection Installed.</i>					
Approaches								
Pavement								
Asphalt	100%	4+	\$3,100	2026	\$157,400	4	\$5,400	
			<i>Cracks, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Both Approaches</i>					
Curbs								
Concrete w/ Steel Face	100%			LIFE			* *	
Embankment								
Earth	100%			LIFE			* *	
Stone Rough Work	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**  
**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>								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Riprap	100%			LIFE			**	
<b>Sidewalks</b>								
Concrete	100%			LIFE			**	
<b>Piers</b>								
Stem,Solid Pier								
Concrete	100%	4+	\$96,400	LIFE			**	
			<i>Cracks, Extent : Moderate, Area Affected : 15%</i>					
			<i>Location : Piers 1,2,5 &amp; 6</i>					
			<i>Delaminations, Extent : Moderate, Area Affected : 15%</i>					
			<i>Location : Piers 1,2,5 &amp; 6.</i>					
			<i>Spalling, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Piers 1,2,5 &amp; 6</i>					
Granite	100%	4+	\$107,700	LIFE			**	
			<i>Joints Missing, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Piers 1, 2, 5, 6</i>					
<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			**	
<b>Guide Railing</b>								
Concrete	100%	4+	\$2,100	2042			**	
			<i>Other Observation, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Spans 1-3 And 5-7</i>					
			<i>Explanation : Concrete Barrier On The Bridge, Left Side Only</i>					
<b>Railings/Parapets</b>								
Concrete	100%			2034		**	4	\$38,100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Spans 1-3 And 5-7.</i>					
			<i>Explanation : Right Side Of Bridge.</i>					
<b>Sidewalks</b>								
Concrete	75%			2030		**	5	\$19,700
Concrete	25%	2-4	\$28,000	2030		**	5	\$9,800
			<i>Cracks, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Spans 1-3 And 5-7 Sidewalks.</i>					
			<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>					
			<i>Location : Spans 1-3 And 5-7 Fascias</i>					
			<i>Spalling, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Spans 1-3 And 5-7 Fascias.</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.

**DEPARTMENT OF TRANSPORTATION - 841  
PELHAM BRIDGE SHORE ROAD/HUTCHINSON RIVER**

**Asset # : 2469**

<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>Wearing Surface</b>								
Asphalt	100%	Now	\$3,300	2026	\$163,500	5	\$15,400	
<i>Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Span 7 Exhibits Transverse Cracking Up To 1" 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	\$11,500	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Span 4</i>								
<i>Explanation : Steel Grating In Bascule Span 4.</i>								
<b>Superstructure</b>								
<b>Primary Member</b>								
Concrete	100%	2-4	\$2,463,800	LIFE	**	5	\$175,500	2
<i>Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Spans 1, 2, 3, 5, 6, 7</i>								
<i>Delaminations, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Spans 1, 2, 3, 5, 6, 7</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Spans 1, 2, 3, 5, 6, 7</i>								
Steel	100%	4+	\$2,123,200	LIFE	**	2-8	\$157,700	
<i>Corrosion, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Exposed Steel Truss In Random Spans.</i>								
<b>Movable Bridges</b>								
<b>Bascule Span</b>								
Steel	100%	2-4	\$2,185,600	LIFE	**			
<i>Other Observation, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Span 4</i>								
<i>Explanation : Corrosion Holes, Section Losses At Several Members Of The Primary And Secondary Members</i>								
<b>Bascule Span Pier</b>								
Concrete	100%	2-4	\$1,736,000	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Piers 3 &amp; 4</i>								
<i>Explanation : Pier Wall Supporting Truss Members Is Cracking And Spalling With Exposed Rebars.</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>Communications</b>								
Generic	100%	Now	\$34,500	2025	\$34,500			
<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>								

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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
Control System Electrical								
Control Console								
Stainless Steel	100%	Now	\$18,300	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%			2030			* *	
Limit Switch								
Generic	100%	Now	\$17,900	2038			* *	
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : North Leaf Toe.</i>								
<i>Explanation : Seating Limit Switches Are Broken.</i>								
Electrical Power								
Transformer								
Dry	100%			2038			* *	
Dist Equip & Motor Control								
Generic	100%	Now	\$11,500	2023	\$573,800			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : MCC 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%			2030			* *	
Raceway								
Submarine Control Cables								
Generic	100%			2023	\$817,100			
Wiring								
Generic	100%	Now	\$304,000	2023	\$1,013,400			
<i>Other Observation, Extent : Moderate, Area Affected : 30%</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								
Generator								
Diesel	100%			2045			* *	
Traffic System Electrical								
Traffic Signal								
Generic	100%			2020	\$169,600	1	\$1,900	
Lighting								
Lighting Devices								
Generic	100%	Now	\$24,200	2023	\$80,600			
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Toe Of Both Spans, Various</i>								
<i>Explanation : Ne Navigation Light Has Broken Lens. Service Lighting Needs Relamping @ Var Locations. Some Fixtures Not Operational.</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								
Counter Weight Generic	100%	0-2	\$207,300	2040			* *	
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : North And South Counterweights</i>								
<i>Explanation : Corroded Steel</i>								
<hr/>								
Emergency Drive Emergency Power	100%	Now	\$9,300	2040			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Emergency Generator</i>								
<i>Explanation : The Bridge Has Not Been Operated On Emergency Power. Battery Reported To Be Dead. Need To Run &amp; Test Generator.</i>								
<hr/>								
Fuel Tanks Generic	100%	2-4	\$5,700	2045			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Sw Corner</i>								
<i>Explanation : Generator Fuel Tank Shows Moderate Surface Rusting.</i>								
<hr/>								
Houses								
Control House	100%	Now	\$27,100	2040			* *	
<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.</i>								
<hr/>								
HVAC	100%	Now	\$8,200	2028			* *	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Control House</i>								
<i>Explanation : Reported Heat And Ac Operation Is Poor.</i>								
<hr/>								
Machinery Room	100%	Now	\$14,800	2040			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Machinery Rooms</i>								
<i>Explanation : Corroded Grating.</i>								
<hr/>								
Lock Bars								
With Motor	100%	Now	\$8,800	2028			* *	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Lock Bars On Pier</i>								
<i>Explanation : Some Corrosion, Torn Protective Cover</i>								
<hr/>								
Without Motor	100%	Now	\$22,100	2028			* *	
<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>								
<hr/>								
Main Drive System								
Generic	100%	Now	\$361,700	2040			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South &amp; North Machine Rooms</i>								
<i>Explanation : One Missing Over Speed Switch Chain, Corrosion And Lubricant Leakage. Some Broken Gauges. Misaligned Couplings</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								
Rack								
Generic	100%	Now	\$6,800	2040			* *	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Southeast Rack</i>								
<i>Explanation : One Missing Or Broken Mounting Bolt Noted</i>								
Structural Bearings								
Generic	100%	Now	\$27,300	2028			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Forward Live Load Bearings</i>								
<i>Explanation : Corrosion On Some Of The Anchor Bolts.</i>								
Track								
Generic	100%	4+	\$22,800	2040			* *	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Tracks</i>								
<i>Explanation : Corrosion And Paint Failure On Some Bolts.</i>								
Traffic Devices								
Barrier Gate								
	100%	Now	\$199,500	2028			* *	
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : Adjustments Required. Some Latches Do Not Function, Missing Or Broken Hardware. Two Arms Are Cracked At The Base.</i>								
Warning Gate								
	100%	Now	\$74,300	2028			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Warning Gates</i>								
<i>Explanation : Some Gate Heights Need Adjustment, Missing Anchor Bolt On The Sw. Missing Hardware And Cover For Open Hole.</i>								

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : 22-Apr-2013 Landmark Status : NONE  
 Areas Surveyed :  
 Block : Lot : BIN : 2240639

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$4,175,700	\$2,355,800
Bridge Electrical	\$81,100	\$280,400
Bridge Mechanical	\$1,187,300	
<b>Total</b>	<b>\$5,444,200</b>	<b>\$2,636,200</b>
Importance Code A	\$945,000	\$1,135,600
Importance Code B	\$4,130,100	\$1,500,700
Importance Code C	\$369,100	
<b>Total</b>	<b>\$5,444,200</b>	<b>\$2,636,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$52,500		\$253,900	
Bridge Electrical	\$27,700	\$24,400	\$24,400	\$24,400
Bridge Mechanical	\$66,000		\$116,700	
<b>Total</b>	<b>\$146,200</b>	<b>\$24,400</b>	<b>\$395,100</b>	<b>\$24,400</b>
Importance Code A			\$111,000	
Importance Code B	\$111,600	\$24,400	\$263,500	\$24,400
Importance Code C	\$34,500		\$20,500	
<b>Total</b>	<b>\$146,200</b>	<b>\$24,400</b>	<b>\$395,100</b>	<b>\$24,400</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	
<b>Abutments</b>								
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>							
<hr/>								
<b>Backwall</b>								
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>							
<hr/>								
<b>Brngs,Ancr Blts,Pads</b>								
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>							
<hr/>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Joint with Deck</b>								
Composite	50%			LIFE				**
Composite	50%	2-4	\$10,700	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>							
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Not Accessible	100%							
<hr/>								
<b>Pedestals</b>								
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>							
<hr/>								
<b>Stem (breastwall)</b>								
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>							
<hr/>								
<b>Wingwalls</b>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Piles</b>								
Not Accessible	100%							
<hr/>								
<b>Walls</b>								
Concrete	95%			LIFE				**
Concrete	5%	4+	\$185,000	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%			2034		**		
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	5%	Now	\$826,800	LIFE		**		
		<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>						
		<i>Location : Bascule Piers 25 &amp; 26</i>						
		<i>Other Observation, Extent : Severe, Area Affected : 25%</i>						
		<i>Location : Bascule Piers 25 &amp; 26</i>						
		<i>Explanation : West Side 1 Of 2 Dolphin Clusters At 2 Locations Have Been Hit And Are Leaning.</i>						
Timber	95%	4+	\$1,570,900	LIFE		**		
		<i>Split/Dry/Cracked, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Bascule Piers 26 &amp; 27</i>						
Approaches								
Pavement								
Asphalt	100%	Now	\$33,700	2029		**	4	\$11,500
		<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : End Approach</i>						
		<i>Explanation : Pavement Shoving And Rutting</i>						
Concrete	100%			2039		**	4	
Guide Railing								
Concrete	100%			2039		**	4	\$4,600
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	\$279,800	LIFE		**		
		<i>Cracks, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Piers 18 - 24 &amp; 27 - 30 &amp; 33</i>						
		<i>Delaminations, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : Piers 19 - 24 &amp; 27 - 30</i>						
		<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Piers 19 - 24 &amp; 27 - 30</i>						
Steel	100%			LIFE		**	2-8	\$461,600

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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+	\$7,300	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	\$49,400
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE		**		
<b>Deck Elements</b>								
Guide Railing								
Concrete	100%			2044		**		
Median								
Concrete	100%			LIFE		**	5	\$75,600
Railings/Parapets								
Steel	100%			LIFE		**	2-8	\$8,000
Sidewalks								
Concrete	100%			2034		**	5	\$41,100
Wearing Surface								
Concrete	100%	Now	\$900	2039		**	5	\$3,000
<i>Broken,Missing Pave, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Spans 19, 31, 32, &amp; 33 East Side Roadway</i>								
<b>Superstructure</b>								
Deck,Structural								
Concrete	100%	4+	\$712,500	LIFE		**	5	\$5,900
<i>Cracks, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Spans 25 &amp; 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+	\$97,800	LIFE	**	4	\$841,100	
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Piers 8, 12, 15, 18, 19, 20, 27 &amp; 36</i>								
<i>Explanation : Water Leakage Noted Below Joints</i>								
Composite	15%	Now	\$86,300	LIFE	**	4	\$841,100	
<i>Leakage, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Piers 2, 5, 9, 33, 39, 40 &amp; 43</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Piers 2, 5, 9, 33, 39, 40 &amp; 43</i>								
<i>Explanation : Torn &amp; Cracked Sealer</i>								
Primary Member								
Prestressed Concrete	100%			LIFE	**			
Box Beam								
Steel	100%			LIFE	**	2-8	\$1,979,800	
Secondary Member								
Steel	100%	Now	\$184,200	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+	\$159,500	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Piers 25 &amp; 26</i>								
<i>Explanation : Steel Towers Exhibit Corrosion.</i>								
Bascule Span Pier								
Concrete	90%			LIFE	**			
Concrete	10%	0-2	\$73,000	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bascule Piers 25 &amp; 26</i>								
<i>Explanation : Median Stringers 6 &amp; 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%			2022	\$14,400			
Telephone								
Desk Top	100%			2022				
Jack								
Telephone	100%			2022				
Control System Electrical								

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Maintenance \$ are aggregated over a ten-year period. Site 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
Control System Electrical								
Control Console								
Stainless Steel	100%	Now	\$39,800	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Control Desk Span Position Meters Not Functioning</i>								
Control Devices								
Relay	80%			2029	**			
Relay	20%			2037	**			
Disconnect Switch								
Non Fused	100%			2037	**	1	\$49,400	
Limit Switch								
CAM	67%			2017		1	\$13,500	
CAM	33%			2022		1	\$13,500	
Lever	75%			2022		1	\$53,900	
Lever	25%			2019		1	\$53,900	
Drive								
Machinery Brake								
Thruster	100%			2034	**	1	\$2,300	
Motor Brake								
Thruster	100%			2034	**	1	\$2,300	
Span Lock Motor								
Generic	100%			2034	**	1	\$2,300	
Electrical Power								
MCC								
Starter	100%			2022				
Contactors	75%			2022				
Contactors	25%			2037	**			
Motor Circuit Protector	100%			2022	\$18,200	1	\$4,500	
PanelBoard								
Circuit Breaker	100%			2029	**	1	\$13,500	
Service Equipment								
Fused Disc Switch	100%			2029	**			
Transfer Switch								
Auto	100%			2029	**			
Exterior Lighting								
Lighting Contactor								
Generic	100%			2037	**	1	\$5,600	
Lighting Fixture								
HID	100%			2022				
Pole								
Aluminum	100%			2025				
Ground/Lightning Protection								
Ground Bus								
Not Accessible	100%							
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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**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 Wire								
Green	100%			2025				
Not Accessible	100%							
Interior Lighting								
Lighting Fixture								
Fluorescent	100%			2025	\$3,200	1	\$9,000	
HID	100%	4+	\$1,600	2025	\$3,200			
<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+	\$1,600	2022	\$3,200			
<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%			2024				
Raceway								
Box								
Pull Junction	100%			2024		1	\$13,500	
Terminal	100%			2024		1	\$4,500	
Conduit								
Metal	50%			2052	**			
Metal	50%			2039	**			
Submarine Control Cables								
Control	100%			2022				
Submarine Power Cable								
Power	100%			2022				
Wires								
Cloth	100%			2023	\$177,100			
Thermoplastic	100%			2037	**			
Span Lock								
Motor								
Squirrel Cage	100%			2027	**			
Traffic System Electrical								
Barrier Gate Lighting								
Incandescent	100%			2022		1	\$1,100	
Traffic Gate Lighting								
Incandescent	100%			2022		1	\$1,100	
Traffic Gong								
Generic	100%			2022		1	\$600	
Traffic Sign								
Fixed	100%			2022				
Lighting								

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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

## Lighting

Lighting Devices  
Generic

100% Now \$41,300 2025 \$103,300  
*Other Observation, Extent : Severe, Area Affected : 100%*  
*Location : Fender Lights; Pier Lights; Bascule Span Lights*  
*Explanation : Not Functioning*

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 \$108,100 2039 \* \* 2 \$71,800  
*Other Observation, Extent : Light, Area Affected : 5%*  
*Location : Counterweights*  
*Explanation : Some Open Pockets*

Emergency Drive  
Emergency Power

100% Now \$113,900 2039 \* \* 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 2029 \* \*  
*Other Observation, Extent : Light, Area Affected : 2%*  
*Location : Control House*  
*Explanation : Minor Leaks*

## Houses

Access Ways

100% Now \$25,400 2027 \* \*  
*Other Observation, Extent : Moderate, Area Affected : 5%*  
*Location : Accessways*  
*Explanation : Some Grating, Hatches, Safety Chains And Doors Need Repair.*

Control House

100% Now \$99,500 2039 \* \*  
*Other Observation, Extent : Moderate, Area Affected : 10%*  
*Location : Control House*  
*Explanation : Some Doors And Windows Need Repair. Heating System And Plumbing Needs Repair.*

Machinery Room

100% Now \$34,300 2039 \* \*  
*Other Observation, Extent : Light, Area Affected : 10%*  
*Location : Machinery Rooms*  
*Explanation : Some Doors And Enclosure Panels Need Repair.*

## Lock Bars

With Motor

100% Now \$46,200 2027 \* \* 2 \$35,900  
*Other Observation, Extent : Moderate, Area Affected : 30%*  
*Location : Lock Bars*  
*Explanation : Lockbar Clearances Need To Be Reduced. Components Are Corroding And Some Leakage From Reducers.*

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**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	
<b>Bascule</b>								
Main Drive System Generic	100%	Now	\$222,700	2027	**	2	\$215,500	
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Machine Rooms</i>								
<i>Explanation : Minor Leaks. Components Are Corroding. One Machinery Brake Not Functioning.</i>								
<hr/>								
<b>Rack</b>								
Generic	100%	Now	\$89,100	2039	**			
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Racks</i>								
<i>Explanation : Supports And Fasteners Have Some Corrosion.</i>								
<hr/>								
<b>Structural Bearings</b>								
Generic	100%	Now	\$1,100	2027	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Live Load Bearings</i>								
<i>Explanation : No Access From Platform. However Corrosion Noted On Sides And Adjustments May Be Required With Lock Adjustment.</i>								
<hr/>								
<b>Traffic Devices</b>								
Barrier Gate	100%	Now	\$308,300	2027	**			
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : Northwest Not Functioning. Southeast Net Hangs Low, Some Adjustments Required. Some Missing Hardware.</i>								
<hr/>								
Warning Gate	100%	Now	\$5,000	2027	**			
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Warning Gates</i>								
<i>Explanation : Southeast Needs Adjustment. Some Gates Missing Hardware And Locks.</i>								
<hr/>								
<b>Trunnion</b>								
Generic	100%	Now	\$199,500	2039	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Trunnion Assemblies</i>								
<i>Explanation : Debris And Corrosion On Trunnion Assemblies. Missing Fitting Noted At One Location.</i>								

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 11-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 224007A

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$623,900	\$900,300
<b>Total</b>	<b>\$623,900</b>	<b>\$900,300</b>
Importance Code A	\$566,200	\$340,500
Importance Code B		\$214,800
Importance Code C	\$57,600	\$345,000
<b>Total</b>	<b>\$623,900</b>	<b>\$900,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$45,200	\$2,800	\$51,400	
<b>Total</b>	<b>\$45,200</b>	<b>\$2,800</b>	<b>\$51,400</b>	
Importance Code A			\$29,800	
Importance Code B	\$5,000		\$21,500	
Importance Code C	\$40,200	\$2,800		
<b>Total</b>	<b>\$45,200</b>	<b>\$2,800</b>	<b>\$51,400</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+	\$513,000	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Spall With Exposed Rebar At Southwest Wall At Pier</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Fasciae</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+	\$57,600	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</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>Approaches</b>								
<b>Pavement</b>								
Concrete	100%			2032			* *	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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Maintenance \$ are aggregated over a ten-year period. Site 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>Approaches</b>								
Guide Railing								
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>								
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE	**			
<b>Piers</b>								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$180,200	
Pier,Columns								
Concrete Encased Steel	95%			LIFE	**	5	\$1,400	
<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	\$1,400	
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Corrosion To Steel Protective Angles And Delamination / Spall Of Concrete Cover</i>								
Stem,Solid Pier								
Concrete	95%			LIFE	**			
Concrete	5%	4+	\$4,900	LIFE	**			
<i>Leakage, Extent : Light, Area Affected : 10%</i>								
<i>Location : Both Ends At Pier 5</i>								
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2043	**			
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Pedestals								
Concrete	100%			LIFE	**			
<b>Deck Elements</b>								
Gratings								
Steel	100%			LIFE	**			
Guide Railing								
Concrete	100%			2036	**			
Median								
Concrete	100%			LIFE	**	5	\$3,500	
Mono Deck Surface								
Concrete	100%	4+	\$11,000	2043	**	5	\$57,700	
<i>Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Near End Abutment</i>								

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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	
Deck Elements								
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 Both Sides Of Bridge</i>								
Sidewalks								
Concrete	100%			2028	**	5	\$5,600	
Wearing Surface								
Asphalt	100%	4+	\$28,700	2024	\$287,400	5	\$14,600	
<i>Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Random</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>								
Superstructure								
Deck,Structural								
Concrete	90%			LIFE	**	5	\$23,900	
Concrete	10%	4+	\$53,200	LIFE	**	5	\$23,900	
<i>Corrosion, Extent : Severe, Area Affected : 40%</i>								
<i>Location : S.I.P. 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</i>								
<i>Explanation : Joint Filler Is Depressed</i>								
Primary Member								
Steel	100%			LIFE	**	2-8	\$401,200	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$336,100	

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 07-Jan-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240350

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$488,800	\$5,807,600
<b>Total</b>	<b>\$488,800</b>	<b>\$5,807,600</b>
Importance Code A	\$267,300	\$393,400
Importance Code B	\$86,600	\$322,600
Importance Code C	\$134,900	\$5,091,600
<b>Total</b>	<b>\$488,800</b>	<b>\$5,807,600</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$225,900		\$69,200	
<b>Total</b>	<b>\$225,900</b>		<b>\$69,200</b>	
Importance Code A	\$57,700		\$36,900	
Importance Code B	\$21,700		\$32,300	
Importance Code C	\$146,500			
<b>Total</b>	<b>\$225,900</b>		<b>\$69,200</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**  
**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 Concrete	100%			LIFE			* *	
Backwall Concrete	100%			LIFE			* *	
Brngs,Ancr Blts,Pads Steel	100%			LIFE			* *	
Footings Not Accessible	100%							
Joint with Deck Composite	100%	2-4	\$21,700	LIFE			* *	
		<i>Other Observation, Extent : Light, Area Affected : 40%</i>						
		<i>Location : Both Abutments</i>						
		<i>Explanation : Missing/ Damaged Seal</i>						
Mat (scour & erosion) Riprap	100%			LIFE			* *	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Both Abutments</i>						
		<i>Explanation : Riprap With Stones</i>						
Pedestals Concrete	100%			LIFE			* *	
Stem (breastwall) Concrete	100%			LIFE			* *	
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%	4+	\$10,300	LIFE			* *	
		<i>Erosion, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Begin Abutment West Side</i>						
Walls Concrete	7%	4+	\$22,100	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								

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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**  
**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>								
Pavement								
Asphalt	100%			2025	\$4,998,500	4	\$178,700	
Concrete	100%	4+	\$27,300	2033	* *	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>								
<hr/>								
<b>Curbs</b>								
Concrete w/ Steel Face	100%	2-4	\$267,300	LIFE	* *			
<i>Settlement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Both Approaches</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Both Approaches</i>								
<hr/>								
<b>Embankment</b>								
Earth	100%			LIFE	* *			
<hr/>								
<b>Guide Railing</b>								
Steel	100%			LIFE	* *	2-8	\$146,200	
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	* *			
<hr/>								
<b>Sidewalks</b>								
Concrete	5%	4+	\$43,000	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	* *			
<hr/>								
<b>Piers</b>								
Stem,Solid Pier								
Concrete	100%	4+	\$86,600	LIFE	* *			
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : South Approach</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Fascia And Centerline</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : South Face Of Pier 1</i>								
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : South Approach</i>								
<i>Explanation : Bird Nesting</i>								
<hr/>								
<b>Brngs,Ancr Blts,Pads</b>								
Steel	100%	4+	\$25,200	LIFE	* *	2-8	\$6,400	
<i>Rust Stains, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<hr/>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Riprap	100%			LIFE	* *			
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**  
**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
Piers								
Pedestals								
Concrete	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%	4+	\$17,500	LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
Median								
Concrete	100%	4+	\$9,700	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 : North And South End</i>								
Railings/Parapets								
Concrete	100%	4+	\$5,300	2033	**	4	\$800	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Parapet With Steel Railing</i>								
Steel	100%			LIFE	**	2-8	\$12,900	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Steel Railing On Top Of Parapet</i>								
Sidewalks								
Concrete	100%	4+	\$27,100	2029	**	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>								
Wearing Surface								
Concrete	100%	2-4	\$37,500	2033	**	5	\$93,200	
<i>Cracks, 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>								
Scupper								
Ductile Iron	100%			LIFE	**			
Superstructure								
Deck, Structural								
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>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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	
Superstructure								
Joints								
Composite	100%	2-4	\$54,400	LIFE	* *	4	\$185,500	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Missing/ Damaged Seal</i>								
<hr/>								
Primary Member								
Steel	100%			LIFE	* *	2-8	\$602,500	
<hr/>								
Secondary Member								
Steel	100%			LIFE	* *	2-8	\$504,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underside</i>								
<i>Explanation : Underside Not Accessible</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 12-Jul-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240660

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$2,304,700	\$1,396,200
<b>Total</b>	<b>\$2,304,700</b>	<b>\$1,396,200</b>
Importance Code A	\$994,100	\$115,600
Importance Code B	\$280,600	
Importance Code C	\$1,030,000	\$1,280,700
<b>Total</b>	<b>\$2,304,700</b>	<b>\$1,396,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$23,200		\$12,900	\$3,600
<b>Total</b>	<b>\$23,200</b>		<b>\$12,900</b>	<b>\$3,600</b>
Importance Code A	\$8,200		\$12,900	\$1,300
Importance Code C	\$15,000			\$2,300
<b>Total</b>	<b>\$23,200</b>		<b>\$12,900</b>	<b>\$3,600</b>



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

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



**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 Concrete	100%			LIFE			* *	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : End Abutment</i>							
	<i>Explanation : End Abutment</i>							
Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : Begin Abutment</i>							
<hr/>								
<b>Backwall</b>								
Concrete	100%			LIFE			* *	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : End Abutment</i>							
	<i>Explanation : End Abutment</i>							
Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location : Begin Abutment</i>							
	<i>Explanation : Begin Abutment</i>							
<hr/>								
<b>Brngs,Ancr Blts,Pads</b>								
Elastomeric	50%			2043			* *	
Elastomeric	50%	4+	\$41,600	2043			* *	
	<i>Rust Stains, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Abutment At Island Side</i>							
Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location : Begin Abutment</i>							
	<i>Explanation : Begin Abutment</i>							
<hr/>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Joint with Deck</b>								
Generic	100%			LIFE			* *	
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE			* *	
<hr/>								
<b>Pedestals</b>								
Concrete	100%			LIFE			* *	
<hr/>								
<b>Stem (breastwall)</b>								
Concrete	100%	4+	\$280,600	LIFE			* *	
	<i>Cracks, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Abutment At Island Side</i>							
	<i>Rust Stains, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Abutment At Island Side</i>							
<hr/>								
<b>Wingwalls</b>								
<b>Footings</b>								
Not Accessible	100%							
<hr/>								
<b>Mat (scour &amp; erosion)</b>								
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**  
**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	
Wingwalls								
Piles								
Not Accessible	100%							
Walls								
Concrete	80%			LIFE			**	
Concrete	20%	4+	\$128,700	LIFE			**	
<i>Cracks, Extent : Light, Area Affected : 25%</i>								
<i>Location : Random</i>								
Feature Crossed								
Bank Protection								
Riprap	100%			LIFE			**	
Mat (scour & erosion)								
Stream Bed	100%			LIFE			**	
Pier Protection								
Not Accessible	100%							
Approaches								
Pavement								
Asphalt	80%			2024	\$286,800	4	\$4,600	
Asphalt	20%	2-4	\$14,300	2024	\$71,700	4	\$4,600	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Pothole At Interface Of Begin Abutment</i>								
Curbs								
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>								
Embankment								
Earth	100%			LIFE			**	
Guide Railing								
Concrete	100%			2032		**	4	\$2,500
Steel	75%			LIFE		**	2-8	\$5,800
Steel	25%	4+	\$7,700	LIFE		**	2-8	\$5,800
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random</i>								
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	90%			LIFE			**	
Concrete	10%	4+	\$700	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>								

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

Maintenance \$ are aggregated over a ten-year period. Site 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>Piers</b>								
Cap Beam Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Spans Are Over Water. No Access. Condition Is Based On Nysdot Inspection</i>								
Pier,Columns Concrete	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Spans Are Over Water. No Access. Condition Is Based On Limited Visual Observation And Nysdot Inspection</i>								
Stem,Solid Pier Concrete	67%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Pier 22 And 23</i>								
<i>Explanation : Spans Are Over Water. No Access. Condition Is Based On Limited Visual Observation And Nysdot Inspection</i>								
Concrete	33%			LIFE	**			
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Pier 55</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Pier 55</i>								
<i>Rust Stains, Extent : Light, Area Affected : 10%</i>								
<i>Location : Pier 55</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Pier 55</i>								
<i>Explanation : Cracks Have Been Repaired By Injection</i>								
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Pedestals Not Accessible	100%							
<b>Deck Elements</b>								
Guide Railing Steel	80%			LIFE	**			
Steel	20%	4+	\$344,300	LIFE	**			
<i>Rust Stains, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Random</i>								
Railings/Parapets Steel	70%			LIFE	**	2-8	\$175,900	
Steel	30%	4+	\$608,200	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	
Deck Elements								
Sidewalks								
Concrete	90%			2028	**	5	\$81,200	
Concrete	10%	4+	\$123,500	2028	**	5	\$40,600	
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Wearing Surface								
Concrete	90%			2032	**	5	\$840,900	
Concrete	10%	4+	\$316,700	2032	**	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>								
Superstructure								
Deck,Structural								
Not Accessible	100%							
Joints								
Generic	100%			LIFE	**			
Primary Member								
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>								
Secondary Member								
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.</i>								

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 19-Dec-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240507

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$6,099,800	\$3,590,500
<b>Total</b>	<b>\$6,099,800</b>	<b>\$3,590,500</b>
Importance Code A	\$667,300	\$1,857,000
Importance Code B	\$3,038,500	\$984,100
Importance Code C	\$2,394,000	\$749,400
<b>Total</b>	<b>\$6,099,800</b>	<b>\$3,590,500</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$122,900		\$266,800	
<b>Total</b>	<b>\$122,900</b>		<b>\$266,800</b>	
Importance Code A	\$76,600		\$168,100	
Importance Code B	\$16,000		\$98,700	
Importance Code C	\$30,300			
<b>Total</b>	<b>\$122,900</b>		<b>\$266,800</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**  
**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 Concrete	100%	4+	\$8,300	LIFE			* *	
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Abutment North Side</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : West Abutment</i>								
<i>Explanation : Area Fenced Off By M. T. A. And Other Private Properties</i>								
Backwall								
Concrete	100%	4+	\$14,400	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Abutment South Side</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : West Abutment</i>								
<i>Explanation : Area Fenced Off By M. T. A. And Other Private Properties</i>								
Brngs,Ancr Blts,Pads								
Steel	95%			LIFE			* *	
Steel	5%	2-4	\$4,400	LIFE			* *	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Abutment</i>								
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$16,000	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)								
Earth	100%			LIFE			* *	
Stem (breastwall)								
Concrete	100%	4+	\$85,400	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
<i>Leakage, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Abutment</i>								
Wingwalls								
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.

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**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
Wingwalls								
Piles								
Not Accessible	100%							
Walls								
Concrete	100%	4+	\$112,600	LIFE			* *	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</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>								
Feature Crossed								
Bank Protection								
Riprap	100%			LIFE			* *	
Mat (scour & erosion)								
Generic	100%			LIFE			* *	
Approaches								
Pavement								
Asphalt	50%			2025	\$199,600	4	\$8,700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : West Approach</i>								
Asphalt	50%	4+	\$10,000	2025	\$199,600	4	\$5,800	
<i>Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Random Locations Throughout East Approach</i>								
<i>Settlement, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Random Locations Throughout East Approach</i>								
Concrete	100%	4+	\$3,000	2033			* *	\$5,400
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : End Approach</i>								
Curbs								
Concrete	100%			LIFE			* *	
Concrete w/ Steel Face	100%	2-4	\$12,200	LIFE			* *	
<i>Settlement, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : End Approach South Side</i>								
Embankment								
Not Accessible	100%							
Guide Railing								
Concrete	100%			2033			* *	\$3,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : West Approach ( North And South Sides) And East Approach ( North Side Only)</i>								
<i>Explanation : Guide Rail Exists</i>								
Mat (scour & erosion)								
Earth	100%			LIFE			* *	

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**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
<b>Approaches</b>								
Railings/Parapets								
Steel	75%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : West Approach ( North And South Sides) And East Approach ( South Side Only)</i>								
<i>Explanation : Steel Fence</i>								
Steel	25%	4+	\$17,800	LIFE		**		
<i>Corrosion, Extent : Light, Area Affected : 60%</i>								
<i>Location : End Approach, Southeast Side</i>								
<b>Sidewalks</b>								
Concrete	100%	4+	\$41,600	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>								
<b>Piers</b>								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Steel	100%	4+	\$859,600	LIFE		**	2-8	\$427,400
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
<i>Loss of Section, Extent : Light, Area Affected : 5%</i>								
<i>Location : Deteriorated Area More Severe At Piers 23 S, 24 N And 25 S</i>								
Stem,Solid Pier								
Concrete	100%	4+	\$330,000	LIFE		**		
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Loose/ Eroded Joint Mortar</i>								
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	80%			LIFE		**		
Earth	20%	2-4	\$32,800	LIFE		**		
<i>Erosion, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : East Pier Southeast Face</i>								

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**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
<b>Piers</b>								
Pedestals								
Concrete	90%			LIFE				**
Concrete	10%	2-4	\$63,200	LIFE				**
<i>Cracks, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Piers 25 S And 26 S</i>								
<i>Spalling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Piers 23 S, 24 S, And 24 N</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Piers From West Of Van Wyck Expressway</i>								
<i>Explanation : Not Accessible</i>								
<b>Deck Elements</b>								
Guide Railing								
Concrete	100%			2037				**
Railings/Parapets								
Steel	100%			LIFE		2-8	\$14,700	**
<i>Corrosion, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Sidewalks								
Concrete	100%	4+	\$62,600	2029		5	\$23,500	**
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations Throughout</i>								
Wearing Surface								
Concrete	70%	4+	\$403,900	2033		5	\$175,200	**
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Random Locations</i>								
Concrete	30%	Now	\$1,731,200	2039		5	\$175,200	**
<i>Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Random Locations</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Mid Span</i>								
<i>Spalling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Mid Span</i>								
<b>Scupper</b>								
Ductile Iron	100%			LIFE				**
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 60 Percent Trench Drainage System Used; 10 Percent Light Corrosion Observed</i>								
<b>Superstructure</b>								
Deck, Structural								
Concrete	95%			LIFE		5	\$92,900	**
Concrete	5%	0-2	\$175,100	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>								

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**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	
Superstructure								
Joints								
Generic	100%	0-2	\$42,200	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 Throughout</i>								
<i>Missing/Damaged Seal, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Primary Member								
Steel	5%	4+	\$492,300	LIFE		* *	2-8	\$1,560,700
<i>Corrosion, Extent : Light, Area Affected : 60%</i>								
<i>Location : Isolated Locations Below Deck Joints And Beams</i>								
Steel	95%			LIFE		* *	2-8	\$1,560,700
Secondary Member								
Steel	100%	4+	\$1,700,200	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>								

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 30-May-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2240640

<b>CAPITAL</b>		<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure		\$43,800	\$883,400
Bridge Mechanical		\$58,500	
<b>Total</b>		<b>\$102,300</b>	<b>\$883,400</b>
Importance Code A			\$387,200
Importance Code B		\$58,500	\$392,900
Importance Code C		\$43,800	\$103,300
<b>Total</b>		<b>\$102,300</b>	<b>\$883,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$11,100		\$80,100	
Bridge Electrical	\$300			
Bridge Mechanical	\$149,000			
<b>Total</b>	<b>\$160,400</b>		<b>\$80,100</b>	
Importance Code A			\$40,700	
Importance Code B	\$149,400		\$39,400	
Importance Code C	\$11,100			
<b>Total</b>	<b>\$160,400</b>		<b>\$80,100</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
<b>Abutments</b>								
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			* *	
<b>Wingwalls</b>								
Footings								
Not Accessible	100%							
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>					
<b>Feature Crossed</b>								
Bank Protection								
Riprap	100%			LIFE			* *	
Sheet Piling	100%			LIFE			* *	
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	100%			LIFE			* *	
<b>Approaches</b>								
Pavement								
Asphalt	100%			2029			* * 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%			2038			* * 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%			2038			* * 4	

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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
Approaches								
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	\$59,000	
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Piers 6 &amp; 7 Only.</i>						
		<i>Explanation : Steel Capbeam At Piers 6 &amp; 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	\$89,800	
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Piers 6 &amp; 7 Only.</i>						
		<i>Explanation : Steel Columns.</i>						
Stem,Solid Pier								
Concrete								
	100%			LIFE			**	
Brngs,Ancr Blts,Pads								
Steel								
	100%			LIFE	**	2-8	\$9,600	
Footings								
Not Accessible								
	100%							
Mat (scour & erosion)								
Not Accessible								
	100%							
Pedestals								
Concrete								
	100%			LIFE			**	
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Piers 1, 2, 3, 4 &amp; 5.</i>						
		<i>Explanation : Concrete Pedestal</i>						
Steel	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Piers 6 &amp; 7.</i>						
		<i>Explanation : Steel Pedestal.</i>						
Deck Elements								
Curbs								
Steel								
	100%			LIFE	**			
Gratings								
Steel								
	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 2, 3 &amp; 4.</i>						
		<i>Explanation : Steel Grating On Sidewalk.</i>						

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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	
Deck Elements								
Guide Railing								
Steel	100%			LIFE	**			
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$39,800	
Sidewalks								
Concrete	100%			2033	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 1, 2, 4 Thru. 8.</i>						
		<i>Explanation : Concrete Sidewalk.</i>						
Steel	100%			2051	**	2-8		
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Span 3</i>						
		<i>Explanation : Steel Plate</i>						
Wearing Surface								
Asphalt	100%			2029	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 1, 5 Thru. 8.</i>						
		<i>Explanation : Asphalt Wearing Surface.</i>						
Concrete	100%			2038	**	5	\$87,600	
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 2 &amp; 4.</i>						
		<i>Explanation : Asphalt Wearing Surface.</i>						
Steel Grating	100%			LIFE	**	5	\$59,600	
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Span 3.</i>						
		<i>Explanation : Steel Grating</i>						
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$16,500	
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Spans 1, 2, 4 Thru. 8.</i>						
		<i>Explanation : Concrete Deck.</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%			2060	**			
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : Pier 3.</i>						
		<i>Explanation : Steel Finger Joint.</i>						
Generic	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8	\$675,600	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$565,900	

## Movable Bridges

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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
Movable Bridges								
Vertical Lift Span								
Steel	100%			LIFE		**		
Vertical Lift Tower								
Steel	100%			LIFE		**		
Vertical Lift Pier								
Concrete	100%			LIFE		**		
Bridge Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Communications								
Generic	100%			2025	\$32,800			
Control System Electrical								
Control Console								
Stainless Steel	100%			LIFE		**		
Disconnect Switch								
Non Fused	100%			2045		**		
Limit Switch								
Lever	100%	Now	\$300	2025	\$17,400			
		<i>Other Observation, Extent : Light, Area Affected : 25%</i>						
		<i>Location : Sw And Nw Corner</i>						
		<i>Explanation : Fully Seated Switches Sticking.</i>						
Local Starter								
Magnetic	100%			2045		**		
Ground/Lightning Protection								
Ground Bus								
Copper	100%			2030		**		
Ground Rod								
Not Accessible	100%							
Ground Wire								
Green	100%			2030		**		
Lightning Terminals								
Not Accessible	100%							
Raceway								
Wiring								
Generic	100%			2030		**		
Stand-by Power								
Generator								
Diesel	100%			2045		**		
Transfer Switch								
Auto	100%			2045		**		
Traffic System Electrical								
Traffic Signal								
Generic	100%			2025				
Lighting								

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**DEPARTMENT OF TRANSPORTATION - 841**  
**ROOSEVELT ISLAND BRIDGE E RIVER EAST CHAN/ROOSEVELT ISLD**  
**Asset # : 2477**

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

100%

2030

\* \*

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

## Buffers

Generic

100%

2040

\* \*

## Counter Weight Ropes &amp; Gu

Generic

100%

Now

\$16,600

2065

\* \*

*Other Observation, Extent : Light, Area Affected : 2%**Location : Guide Rails**Explanation : Old Lubricant On Some Rails. Some Rails Are Painted And Some Have No Lubricant*

## Counter Weight

Auxiliary CTRWT

100%

2065

\* \*

Main CTRWT

100%

0-2

\$58,500

2065

\* \*

*Other Observation, Extent : Light, Area Affected : 5%**Location : Top Of Cwts**Explanation : Pigeon Droppings On And Around Top Of Cwts*

## Elevators

Generic

100%

Now

\$28,100

2040

\* \*

*Other Observation, Extent : Light, Area Affected : 10%**Location : East & West Towers**Explanation : No Operation Was Observed. Elevator Operation Was Reported To Be Problematic. Need To Test*

## Emergency Drive

Emergency Power

100%

2065

\* \*

*Other Observation, Extent : Light, Area Affected : 2%**Location : Machinery Rooms**Explanation : No Operation Observed. Actuator Trunnion Mount May Require Adjustment. Need To Check Mount, Run And Test*

## End Locks

With Motor

100%

Now

\$17,800

2065

\* \*

*Other Observation, Extent : Moderate, Area Affected : 5%**Location : Tower Piers**Explanation : West Lock Not Accessible. The East Lock Had Minimal Clearance On The Top Of The Socket And Not Fully Driven.*

## Fuel Tanks

Generic

100%

Now

\$300

2045

\* \*

*Other Observation, Extent : Light, Area Affected : 2%**Location : Fuel Tank/ Generator Room**Explanation : Wire Harness Is Loose At Top Of Fitting. Some Areas Of Tank/ Frame Do Not Bear On Concrete*

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

Maintenance \$ are aggregated over a ten-year period. Site 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 Mechanical	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								
Houses								
Access Ways	20%	Now	\$6,700	2040			* *	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Access To Locks</i>								
<i>Explanation : Accessway Hatch To Lock Platform On West Side Would Not Open. Repairs Needed.</i>								
Access Ways	80%	Now	\$26,600	2040			* *	
<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%			2065			* *	
Main Drive System								
Generic	30%	Now	\$17,800	2065			* *	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Machinery Rooms</i>								
<i>Explanation : Minor Lubricant Leakage. Some Loose Inspection Cover Bolts. Slight Rubbing Of Covers</i>								
Generic	70%			2065			* *	
Sheaves								
Generic	100%			2065			* *	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Sheaves</i>								
<i>Explanation : Nw Sheave Makes Snapping Noise During Operation. Noise Should Be Monitored On All Sheaves.</i>								
Structural Bearings								
Generic	100%			2040			* *	
Traffic Devices								
Barrier Gate	100%	Now	\$32,500	2040			* *	
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Barrier Gates</i>								
<i>Explanation : Missing Gate Arm Locking Latches On Housings. Loose Locking Nut. Past Slippage Of West Cwt Plates. Adjustment Reqd</i>								
Warning Gate	100%	0-2	\$2,500	2040			* *	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Warning Gates</i>								
<i>Explanation : Adjustment Required To Arm Buffer Stand</i>								

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : **04-Nov-2013** **Landmark Status** : **NONE**  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : **224006A**

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$500,800	\$671,600
<b>Total</b>	<b>\$500,800</b>	<b>\$671,600</b>
Importance Code A	\$48,900	\$109,900
Importance Code B		\$109,900
Importance Code C	\$451,900	\$451,900
<b>Total</b>	<b>\$500,800</b>	<b>\$671,600</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$9,400		\$22,000	
<b>Total</b>	<b>\$9,400</b>		<b>\$22,000</b>	
Importance Code A			\$11,000	
Importance Code B			\$11,000	
Importance Code C	\$9,400			
<b>Total</b>	<b>\$9,400</b>		<b>\$22,000</b>	



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

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

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

**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>Abutments</b>								
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	**			
Pedestals Concrete	100%			LIFE	**			
Stem (breastwall) Concrete	100%			LIFE	**			
<b>Wingwalls</b>								
Footings Not Accessible	100%							
Piles Not Accessible	100%							
Walls Concrete	100%			LIFE	**			
<b>Approaches</b>								
Pavement Asphalt	100%			2026		4		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : End Approach</i>				
				<i>Explanation : Relief Joint Between Approach Slab And Bridge Deck</i>				
Concrete	100%	4+	\$9,400	2038	**	4	\$21,300	
				<i>Cracks, Extent : Light, Area Affected : 1%</i>				
				<i>Location : End Approach Slab</i>				
Curbs Concrete w/ Steel Face	100%			LIFE	**			
Railings/Parapets Concrete	100%			2034	**			
<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%			2055	**			
Footings Not Accessible	100%							
Pedestals 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**  
**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	
Piers								
Piles								
Not Accessible	100%							
Deck Elements								
Mono Deck Surface								
Concrete	100%			2055	* *	5	\$903,800	
Railings/Parapets								
Concrete	100%			2040	* *	4		
Superstructure								
Deck,Structural								
Concrete	100%	4+	\$48,900	LIFE	* *	5	\$14,100	
			<i>Efflorescence, Extent : Light, Area Affected : 2%</i>					
			<i>Location : 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	\$205,200	
Secondary Member								
Steel	100%			LIFE	* *	2-8	\$171,900	

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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : **18-May-2011** **Landmark Status** : **NONE**  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : **2240069**

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$299,500	\$2,032,000
Bridge Electrical		\$233,000
<b>Total</b>	<b>\$299,500</b>	<b>\$2,265,100</b>
Importance Code A		\$941,700
Importance Code B		\$1,023,800
Importance Code C	\$299,500	\$299,500
<b>Total</b>	<b>\$299,500</b>	<b>\$2,265,100</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$26,500		\$166,800	
Bridge Electrical	\$3,300	\$1,200	\$1,200	\$1,200
Bridge Mechanical	\$50,100			
<b>Total</b>	<b>\$79,800</b>	<b>\$1,200</b>	<b>\$168,000</b>	<b>\$1,200</b>
Importance Code A	\$3,400		\$87,500	
Importance Code B	\$53,300	\$1,200	\$80,500	\$1,200
Importance Code C	\$23,100			
<b>Total</b>	<b>\$79,800</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	
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	**			
Backwall								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2052	**			
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%			2037	**	4	\$69,200	
Embankment								
Earth	100%			LIFE	**			
Generic	100%			LIFE	**			
Guide Railing								
Concrete	100%			2037	**	4	\$10,300	
Steel	100%			LIFE	**	2-8	\$18,700	
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**  
**THIRD AVE. BRIDGE THIRD AVE BRIDGE/HARLEM RIVER**

**Asset # : 4319**

<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>Approaches</b>								
Pavement Base								
Not Accessible	100%							
<b>Sidewalks</b>								
Concrete	100%			LIFE	**			
<b>Piers</b>								
Cap Beam								
Concrete	100%			LIFE	**			
Pier,Columns								
Concrete	100%			LIFE	**			
Stem,Solid Pier								
Concrete	100%			LIFE	**			
<b>Deck Elements</b>								
Guide Railing								
Concrete	100%			2042	**			
Steel	100%			LIFE	**			
Mono Deck Surface								
Concrete	100%			2052	**	5	\$336,300	
Railings/Parapets								
Steel	100%			LIFE	**	2-8	\$215,400	
Wearing Surface								
Concrete	100%			2037	**	5	\$262,700	
<b>Superstructure</b>								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$80,100	
Joints								
Steel	100%			LIFE	**			
Generic	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8	\$1,477,100	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$1,237,400	
<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>								
Intercom								
Generic	100%			2022	\$14,400			
Telephone								
Desk Top	100%			2022				

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Communication Electrical								
Jack								
Telephone	100%			2022				
Control System Electrical								
Computer								
PLC	10%	Now	\$1,500	2022	\$2,500			
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Plc Cabinet</i>						
		<i>Explanation : One Processor Has No Plc Program.</i>						
PLC	90%			2022	\$22,300			
Control Console								
Stainless Steel	100%			LIFE	* *			
Control Devices								
Relay	100%			2042	* *			
Disconnect Switch								
Non Fused	100%			2042	* *			
Limit Switch								
Lever	100%			2022	\$3,400			
Rotary	100%			2022				
Local Starter								
Magnetic	100%			2042	* *			
Drive								
Grating Motor								
Generic	100%			2052	* *			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Machine Room</i>						
		<i>Explanation : Grating Motor Used In Place Of Main Motor.</i>						
Machinery Brake								
Thruster	100%			2052	* *			
Motor Brake								
Thruster	100%			2052	* *			
Span Lock Motor								
Generic	90%			2052	* *			
		<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	2052	* *			
		<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%			2052	* *			
Electrical Power								
MCC								
Generic	100%			2042	* *			
PanelBoard								
Circuit Breaker	100%			2042	* *	1	\$6,700	

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

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

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



**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	
Electrical Power								
Transfer Switch								
Auto	100%			2042	**			
Transformer								
Dry	100%			2042	**			
Exterior Lighting								
Lighting Contactor								
Generic	100%			2042	**	1	\$5,600	
Lighting Fixture								
HID	100%			2022	\$6,300			
Spot Lighting								
Generic	100%			2022				
Ground/Lightning Protection								
Ground Bus								
Copper	100%			2027	**			
Ground Rod								
Not Accessible	100%							
Ground Wire								
Green	100%			2027	**			
Interior Lighting								
Exit Lighting								
Battery Operated	100%			2027	**			
Lighting Fixture								
Incandescent	100%			2022	\$3,200			
Navigation Lighting								
Fender Lighting								
Incandescent	100%			2022	\$8,700			
Pier Lighting								
Incandescent	100%			2022	\$2,800			
Span Lighting								
Incandescent	100%			2022	\$7,000			
Raceway								
Box								
Pull Junction	100%			2032	**			
Terminal	100%			2032	**			
Conduit								
Metal	100%			2062	**			
Submarine Control Cables								
Control	100%			2027	**			
Submarine Power Cable								
Power	100%			2027	**			
Trough								
Metal	100%			2062	**			
Wires								
Thermoplastic	100%			2042	**			
Span Lock								
Motor								
Squirrel Cage	100%			2037	**			

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

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

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

**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>	<b>Priority</b>

Stand-by Power								
Transfer Switch								
Auto	100%			2042		**		
Traffic System Electrical								
Barrier Gate Lighting								
Incandescent	100%			2022	\$14,600			
Traffic Gate Lighting								
Incandescent	100%			2022	\$14,600			
Traffic Gong								
Generic	100%			2022	\$7,500			
Traffic Sign								
Fixed	100%			2022				
Traffic Signal								
Generic	100%			2022	\$233,000			

<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>Priority</b>

Swing								
Center Latch								
Generic	50%	Now	\$4,300	2062		**		
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : West Rest Pier</i>								
<i>Explanation : West Latch Does Not Work Properly</i>								
Generic	50%			2062		**		
Center Lift								
Generic	100%	0-2	\$22,700	2062		**		
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : North &amp; South Center Wedges</i>								
<i>Explanation : Minor Corrosion And Lubricant Leakage. South Reducer Oil Gauge Shows Low Level</i>								
Center Pivot								
Generic	100%			2062		**		
Emergency Drive								
Emergency Power	100%	Now	\$1,900	2062		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Machinery House Platform</i>								
<i>Explanation : Hydraulic Engine Generator Guard Removed</i>								
End Lift								
Generic	100%	Now	\$14,900	2062		**		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : East &amp; West Rest Piers</i>								
<i>Explanation : Brakes Reported To Malfunction. Some Coverage Of Debris And Minor Corrosion</i>								
Fuel Tanks								
Generic	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**  
**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								
Houses								
Access Ways	100%	Now	\$4,600	2062			* *	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : East &amp; West Rest Piers</i>								
<i>Explanation : Hatches At Rest Pier End Lift Need To Be Repaired</i>								
Control House	100%			2062			* *	
Machinery Room	100%			2062			* *	
Main Drive System								
Generic	100%			2062			* *	
<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. Small Squeak From Tach Switch.</i>								
Structural Bearings								
Generic	100%			2037			* *	
Traffic Devices								
Barrier Gate	100%	Now	\$1,300	2037			* *	
<i>Other Observation, Extent : Severe, Area Affected : 1%</i>								
<i>Location : East &amp; West Barrier Gates</i>								
<i>Explanation : Loose Crash Gate Wire Anchor Base Nuts</i>								
Warning Gate	75%			2037			* *	
Warning Gate	25%	Now	\$300	2037			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North East Gate</i>								
<i>Explanation : Broken Guy Wire</i>								

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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

CAPITAL		FY 2017 - 2020	FY 2021 - 2026
Bridge Structure		\$3,178,900	\$268,100
Bridge Electrical		\$1,633,000	\$215,800
Bridge Mechanical		\$1,415,300	
<b>Total</b>		<b>\$6,227,300</b>	<b>\$483,900</b>
Importance Code A		\$2,870,500	\$51,400
Importance Code B		\$3,356,700	\$215,800
Importance Code C			\$216,700
<b>Total</b>		<b>\$6,227,300</b>	<b>\$483,900</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$71,000	\$3,700	\$800	\$18,100
Bridge Electrical	\$34,500			
Bridge Mechanical	\$93,900			
<b>Total</b>	<b>\$199,400</b>	<b>\$3,700</b>	<b>\$800</b>	<b>\$18,100</b>
Importance Code A	\$6,700		\$800	
Importance Code B	\$168,100			
Importance Code C	\$24,600	\$3,700		\$18,100
<b>Total</b>	<b>\$199,400</b>	<b>\$3,700</b>	<b>\$800</b>	<b>\$18,100</b>



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

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

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

**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	\$21,900	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+	\$136,800	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	\$90,800	LIFE			* *	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Piers 8 &amp; 9.</i>								
<i>Rotted, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Piers 8 &amp; 9.</i>								
Approaches								
Pavement								
Asphalt	100%			2026	\$216,700	4	\$11,100	
<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
Approaches								
Mat (scour & erosion)								
Earth	100%			LIFE			**	
Sidewalks								
Concrete	100%			LIFE			**	
Piers								
Cap Beam								
Concrete	65%			LIFE			**	
Concrete	35%	0-2	\$144,600	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>							
Pier,Columns								
Concrete	70%			LIFE			**	
Concrete	30%	0-2	\$80,700	LIFE			**	
	<i>Cracks, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Piers 1, 3, 7, 13, 14, &amp; 16</i>							
	<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Piers 1, 3, 7, 13, 14, &amp; 16</i>							
	<i>Spalling, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Piers 1, 3, 7, 13, 14, &amp; 16</i>							
Stem,Solid Pier								
Concrete	100%			LIFE			**	
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE		2-8	\$8,000	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Spans 7, 8, 9, 10 &amp; 15.</i>							
	<i>Explanation : Spans 7, 8, 9, 10 &amp; 15.</i>							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%	0-2	\$5,600	LIFE			**	
	<i>Erosion, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : Under Spans 10, 11, 12 &amp; 14</i>							
Pedestals								
Concrete	100%	0-2	\$17,800	LIFE			**	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Pier 9</i>							
	<i>Explanation : Pier 8 &amp; 9</i>							
Deck Elements								

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Maintenance \$ are aggregated over a ten-year period. Site 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
Deck Elements								
Curbs								
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>								
Median								
Concrete	100%			LIFE	**	5	\$400	
Mono Deck Surface								
Concrete	90%			2035	**	5	\$26,600	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 6 - 8 &amp; 10 - 12.</i>								
<i>Explanation : Spans 6 - 8 &amp; 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 Thru. 12</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Spans 6, 7, 8, 10 Thru. 12</i>								
<i>Explanation : Numerous Patched Potholes,</i>								
Railings/Parapets								
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 &amp; 10</i>								
Sidewalks								
Asphalt	100%	Now	\$900	2020		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, &amp; 16.</i>								
Wearing Surface								
Asphalt	90%			2026		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>								
Superstructure								
Deck, Structural								
Concrete	100%	4+	\$181,700	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	\$21,900	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			**	\$25,700
Concrete	30%	2-4	\$358,800	LIFE		5	**	\$25,700
<i>Cracks, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Spans 1 Thru 7 And 11 Thru. 17</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Spans 1 Thru 7 And 11 Thru. 17</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Spans 1 Thru 7 And 11 Thru. 17</i>								
Secondary Member								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Spans 8 &amp; 10.</i>								
Movable Bridges								
Bascule Span								
Steel	50%			LIFE			**	
Steel	50%	2-4	\$1,723,800	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	\$461,700	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	\$34,500	2025	\$34,500			
<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**

<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	\$55,000	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>								
<hr/>								
Disconnect Switch								
Generic	100%	4+	\$37,600	2045			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Various</i>								
<i>Explanation : Disconnect Switches Are Not All Operable</i>								
<hr/>								
Limit Switch								
Generic	100%	0-2	\$38,100	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>								
<hr/>								
<b>Electrical Power</b>								
Dist Equip & Motor Controll								
Generic	100%	0-2	\$447,400	2045			* *	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Electric Room</i>								
<i>Explanation : Not Osha Compliant, No Replacement Parts Available</i>								
<hr/>								
<b>Raceway</b>								
Submarine Control Cables								
Not Accessible	100%							
<hr/>								
Wiring								
Generic	100%	0-2	\$966,100	2030			* *	
<i>Other Observation, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Various</i>								
<i>Explanation : Conduit Is Corroded. Wiring Is Damaged.</i>								
<hr/>								
<b>Traffic System Electrical</b>								
Traffic Signal								
Generic	100%	Now	\$40,500	2025	\$135,100			
<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>								
<hr/>								
<b>Lighting</b>								
Lighting Devices								
Generic	100%	Now	\$48,400	2023	\$80,600			
<i>Other Observation, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Various</i>								
<i>Explanation : Various Service Lighting Fixtures Are Broken/ 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>	

*Note : 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**  
**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
<b>Bascule</b>								
Counter Weight Generic	100%	Now	\$25,600	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>								
<hr/>								
Emergency Drive Emergency Power	100%	Now	\$5,100	2028			* *	
<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	\$28,100	2028			* *	
<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>								
<hr/>								
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>								
<hr/>								
<b>Houses</b>								
Access Ways	80%	4+	\$28,200	2028			* *	
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : Span Drive Machinery</i>								
<i>Explanation : Mild Corrosion.</i>								
Access Ways	20%	Now	\$17,600	2028			* *	
<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	\$27,100	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	\$7,400	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>								
<hr/>								
Lock Bars With Motor	100%	Now	\$226,200	2028			* *	
<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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\*\* 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 Mechanical	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>Bascule</b>							
Main Drive System Generic	100%	Now	\$338,400	2028			* *
<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>							
<hr/>							
Rack Generic	100%	2-4	\$46,200	2040			* *
<i>Other Observation, Extent : Light, Area Affected : 5%</i>							
<i>Location : Racks</i>							
<i>Explanation : Some Corrosion</i>							
<hr/>							
Structural Bearings Not Accessible	100%						
<hr/>							
<b>Traffic Devices</b>							
Barrier Gate	100%	Now	\$159,600	2028			* *
<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	\$49,500	2028			* *
<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>							
<hr/>							
Trunnion Generic	100%	Now	\$549,600	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>							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future 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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$37,100	\$465,700
Bridge Electrical	\$1,730,100	\$568,100
Bridge Mechanical	\$134,600	
<b>Total</b>	<b>\$1,901,800</b>	<b>\$1,033,800</b>
Importance Code A		\$183,200
Importance Code B	\$1,864,800	\$723,100
Importance Code C	\$37,100	\$127,500
<b>Total</b>	<b>\$1,901,800</b>	<b>\$1,033,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$59,800	\$11,800	\$38,200	\$900
Bridge Electrical	\$63,400			
Bridge Mechanical	\$61,200			
<b>Total</b>	<b>\$184,400</b>	<b>\$11,800</b>	<b>\$38,200</b>	<b>\$900</b>
Importance Code A	\$7,600		\$18,700	
Importance Code B	\$143,000		\$16,500	
Importance Code C	\$33,800	\$11,800	\$3,000	\$900
<b>Total</b>	<b>\$184,400</b>	<b>\$11,800</b>	<b>\$38,200</b>	<b>\$900</b>



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

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

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

**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	
<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	**			
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	85%			LIFE	**			
Timber	15%	0-2	\$18,400	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	\$35,500	
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>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future 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**  
**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 Sdwk. Overhang And At Top.</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Underside Of Sdwk. 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, &amp; 5.</i>								
<i>Explanation : Spans 1, 2, &amp; 5.</i>								
Steel	100%			LIFE				**
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Spans 2 &amp; 3</i>								
<i>Explanation : Spans 2 &amp; 3</i>								
Guide Railing								
Steel	95%			LIFE				**
Steel	5%	4+	\$2,100	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+	\$3,700	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 &amp; 5.</i>								
<b>Sidewalks</b>								
Concrete	100%			2029	**	5	\$6,000	
<i>Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Spans 1 &amp; 5</i>								
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Spans 1 &amp; 5.</i>								
Grating w/ Concrete	100%			2047	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Spans 3 &amp; 4.</i>								
<i>Explanation : Spans 3 &amp; 4.</i>								
<b>Wearing Surface</b>								
Asphalt	100%			2025	\$90,400	5	\$1,900	
Concrete	100%			2034	**	5	\$74,100	
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Spans 3 &amp; 4.</i>								
<b>Superstructure</b>								
Deck,Structural								
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 &amp; 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 &amp; 5.</i>								
<b>Movable Bridges</b>								
Swing Span Truss								
Steel	100%			LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Spans 3 &amp; 4.</i>								
<i>Explanation : Localized Corrosion With Section Loss In Primary And Secondary Members.</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

## 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

\$10,400

2021

\$34,500

*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

\$28,400

2026

\$568,100

*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

\$16,000

2029

\* \*

*Other Observation, Extent : Light, Area Affected : 20%**Location : Rim Bearing Lower Level**Explanation : Colletor Shoes Are Slightly Corroded*

## Submarine Control Cables

Control

100%

2019

## Wiring

Generic

100%

2019

\$1,496,400

## Traffic System Electrical

## Traffic Signal

Generic

100%

Now

\$6,700

2020

\$133,300

*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. Estimates are rounded to the nearest hundred dollars.*

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**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	Priority

## Lighting

## Lighting Devices

Generic

100% Now \$2,000 2019 \$100,500

*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	Priority

## Swing

## Center Latch

Generic

100% Now \$64,200 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 \* \*

*Other Observation, Extent : Light, Area Affected : 100%**Location : Emergency Power**Explanation : No Operation Observed.*

## End Lift

Generic

100% 4+ \$70,400 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 \$4,300 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+ \$26,000 2049 \* \*

*Other Observation, Extent : Light, Area Affected : 10%**Location : Span Drive**Explanation : Accumulted Pigeon Debris On Secondary Reducer Machinery*

## Structural Bearings

Generic

100% 2030 \* \*

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**DEPARTMENT OF TRANSPORTATION - 841**  
**W 207 ST / UNIVERSITY HEIGHTS BR**  
**Asset # : 4243**

Bridge Mechanical	Current Repair			Future Replacement		Maintenance		
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	\$18,500	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	\$12,400	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.  
Estimates are rounded to the nearest hundred dollars.

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$2,922,300	\$124,700
Bridge Mechanical	\$79,100	
<b>Total</b>	<b>\$3,001,400</b>	<b>\$124,700</b>
Importance Code A	\$124,700	\$124,700
Importance Code B	\$2,876,700	
<b>Total</b>	<b>\$3,001,400</b>	<b>\$124,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$64,500		\$14,500	
Bridge Mechanical	\$21,600			
<b>Total</b>	<b>\$86,100</b>		<b>\$14,500</b>	
Importance Code A	\$64,500		\$14,500	
Importance Code B	\$21,600			
<b>Total</b>	<b>\$86,100</b>		<b>\$14,500</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	\$2,797,600	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. &amp; 6 Thru. 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.

Maintenance \$ are aggregated over a ten-year period. Site 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
Piers								
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 &amp; 6 Thru.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 &amp; 9.</i>							
	<i>Explanation : Concrete Stem</i>							
Brngs,Ancr Blts,Pads Steel	100%			LIFE	**	2-8	\$8,800	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Piers 1, 3 Thru. 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	**			
Piles								
Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location : Piers 1, 3 &amp; 5</i>							
	<i>Explanation : Piles Inaccessible.</i>							
Deck Elements								
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	\$13,300	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Spans 1 Thru. 9.</i>							
	<i>Explanation : Steel Rail And Fencing.</i>							
Wearing Surface Concrete	100%			2039	**	5		
Superstructure								
Deck,Structural Concrete	100%			LIFE	**	5	\$27,700	

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**DEPARTMENT OF TRANSPORTATION - 841**  
**WARDS ISLAND PEDESTRIAN BRIDGE OVER HARLEM RIVER**

**Asset # : 13872**

<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

  Joints

Steel	100%			LIFE			**	
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  Primary Member

Steel	100%			LIFE		2-8	\$399,200	
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Movable Bridges

  Vertical Lift Span

Steel	100%			LIFE			**	
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  Vertical Lift Tower

Steel	100%			LIFE			**	
-------	------	--	--	------	--	--	----	--

  Vertical Lift Pier

Concrete	100%			LIFE			**	
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<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>	

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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<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

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

Maintenance \$ are aggregated over a ten-year period. Site 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
Vertical Lift							
Counter Weight Ropes & Gu							
Generic	20%	Now	\$79,100	2029			* *
<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 &amp; Cap Nut Missing.</i>							
Generic	80%			2029			* *
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			* *
<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	\$13,600	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	\$8,000	2029			* *
<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.

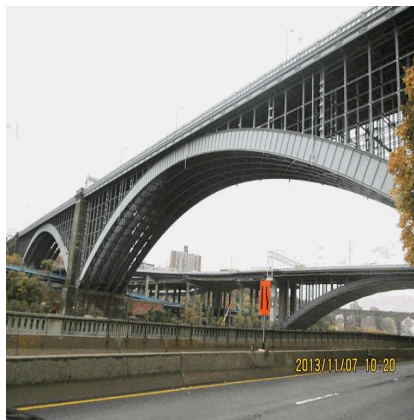
Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 07-Nov-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** : 2066919

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure	\$4,164,800	\$10,820,400
<b>Total</b>	<b>\$4,164,800</b>	<b>\$10,820,400</b>
Importance Code A	\$2,371,000	\$2,733,300
Importance Code B	\$847,300	\$2,644,700
Importance Code C	\$946,500	\$5,442,500
<b>Total</b>	<b>\$4,164,800</b>	<b>\$10,820,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure	\$55,000		\$532,500	
<b>Total</b>	<b>\$55,000</b>		<b>\$532,500</b>	
Importance Code A	\$10,300		\$267,300	
Importance Code B			\$265,200	
Importance Code C	\$44,800			
<b>Total</b>	<b>\$55,000</b>		<b>\$532,500</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**  
**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>Abutments</b>								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE			* *	
Stem (breastwall)								
Granite	75%			LIFE			* *	
Granite	25%	4+	\$323,600	LIFE			* *	
	<i>Efflorescence, Extent : Light, Area Affected : 25%</i>							
	<i>Location : Throughout</i>							
	<i>Leakage, Extent : Light, Area Affected : 25%</i>							
	<i>Location : 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+	\$152,900	LIFE			* *	
	<i>Efflorescence, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Throughout</i>							
	<i>Leakage, Extent : Light, Area Affected : 10%</i>							
	<i>Location : 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	60%	4+	\$17,100	2026	\$853,700	4	\$18,100	
	<i>Cracks, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Throughout</i>							
Asphalt	40%	2-4	\$170,700	2026	\$569,100	4	\$18,100	
	<i>Settlement, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : At End Approach</i>							
Curbs								
Concrete w/ Steel Face	100%			LIFE			* *	
	<i>Rust Stains, Extent : Light, Area Affected : 70%</i>							
	<i>Location : Throughout</i>							
Embankment								
Earth	100%			LIFE			* *	
	<i>Vegetation Growth, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : At End 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	Priority
<b>Approaches</b>								
Guide Railing								
Concrete	100%	4+	\$5,500	2034	**	4	\$4,600	
	<i>Spalling, Extent : Light, Area Affected : 15%</i>							
	<i>Location : Throughout</i>							
Steel	100%			LIFE	**	2-8	\$5,800	
	<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>							
<b>Median</b>								
Concrete	100%	4+	\$4,700	LIFE	**			
	<i>Cracks, Extent : Light, Area Affected : 30%</i>							
	<i>Location : 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 : Throughout</i>							
<b>Sidewalks</b>								
Concrete	90%			LIFE	**			
Concrete	10%	4+	\$2,600	LIFE	**			
	<i>Cracks, Extent : Light, Area Affected : 10%</i>							
	<i>Location : At End Approach</i>							
<b>Piers</b>								
Cap Beam								
Masonry	100%			LIFE	**			
<b>Stem,Solid Pier</b>								
Granite	90%			LIFE	**			
Granite	10%	4+	\$169,400	LIFE	**			
	<i>Efflorescence, Extent : Light, Area Affected : 25%</i>							
	<i>Location : Throughout</i>							
	<i>Leakage, Extent : Light, Area Affected : 25%</i>							
	<i>Location : Throughout</i>							
	<i>Vegetation Growth, Extent : Light, Area Affected : 15%</i>							
	<i>Location : Random Locations Throughout</i>							
<b>Brngs,Ancr Blts,Pads</b>								
Steel	100%			LIFE	**	2-8	\$5,500	
<b>Footings</b>								
Not Accessible	100%							
<b>Mat (scour &amp; erosion)</b>								
Earth	100%			LIFE	**			
<b>Pedestals</b>								
Steel	100%			LIFE	**			
	<i>Corrosion, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
<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**  
**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
Deck Elements								
Guide Railing								
Concrete	100%	4+	\$142,200	2038		**		
	<i>Cracks, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Throughout</i>							
	<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Random Locations Throughout</i>							
Median								
Concrete	100%	4+	\$99,900	LIFE		**	5	\$9,500
	<i>Cracks, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Throughout</i>							
	<i>Spalling, Extent : Light, Area Affected : 2%</i>							
	<i>Location : Random Locations Throughout</i>							
Railings/Parapets								
Masonry	100%	4+	\$145,900	2034		**	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+	\$35,900	LIFE		**	2-8	\$46,700
	<i>Corrosion, Extent : Moderate, Area Affected : 40%</i>							
	<i>Location : Throughout</i>							
Sidewalks								
Concrete	100%	4+	\$15,800	2030		**	5	\$5,200
	<i>Cracks, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Random Locations Throughout</i>							
Wearing Surface								
Asphalt	100%			2026	\$1,474,900	5		\$103,900
Concrete	10%	0-2	\$318,800	2021	\$1,594,200	5		\$423,300
	<i>Spalling, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : Random Locations Throughout</i>							
Concrete	90%	Now	\$287,000	2034		**	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 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	\$88,600

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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**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
Superstructure								
Joints								
Steel	70%			LIFE			**	
Steel	30%	0-2	\$26,300	LIFE			**	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : One Joint Plate At The Midspan</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, One Pot Hole In The Joint</i>								
Primary Member								
Steel	98%			LIFE			**	
Steel	2%	4+	\$1,026,500	LIFE		2-8	\$2,469,800	**
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Stone	70%			LIFE			**	
Masonry: Stone	30%	4+	\$920,600	LIFE			**	
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Leakage, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Secondary Member								
Steel	75%			LIFE		2-8	\$2,069,000	**
Steel	25%	2-4	\$354,200	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 : **07-Nov-2013** Landmark Status : **NONE**  
 Areas Surveyed :  
 Block : Lot : BIN : **224005A**

<b>CAPITAL</b>		<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure			\$622,200
<b>Total</b>			<b>\$622,200</b>
Importance Code A			\$345,700
Importance Code B			\$276,400
<b>Total</b>			<b>\$622,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure		\$14,200	\$62,400	\$7,400
<b>Total</b>		<b>\$14,200</b>	<b>\$62,400</b>	<b>\$7,400</b>
Importance Code A		\$14,200	\$34,700	
Importance Code B			\$27,700	
Importance Code C				\$7,400
<b>Total</b>		<b>\$14,200</b>	<b>\$62,400</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**  
**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%			2045	**			
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								
Concrete	100%			LIFE	**			
Mat (scour & erosion)								
Generic	100%			LIFE	**			
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE	**			
Approaches								
Pavement								
Concrete	100%			2034	**	4		
Embankment								
Earth	100%			LIFE	**			
Mat (scour & erosion)								
Earth	100%			LIFE	**			
Railings/Parapets								
Concrete	100%			2034	**			
Piers								
Cap Beam								
Steel	100%			LIFE	**	2-8	\$160,200	
Pier,Columns								
Concrete	100%			LIFE	**			
Stem,Solid Pier								
Concrete	100%			LIFE	**			
Brngs,Ancr Blts,Pads								
Elastomeric	100%			2045	**			
Footings								
Not Accessible	100%							
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**  
**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								
Pedestals								
Concrete	100%			LIFE	**			
Piles								
Not Accessible	100%							
Deck Elements								
Mono Deck Surface								
Concrete	100%			2045	**	5	\$14,800	
Railings/Parapets								
Concrete	100%			2034	**	4	\$42,500	
Scupper								
Cast Iron	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : 8 Scuppers</i>						
Superstructure								
Deck,Structural								
Concrete	100%			LIFE	**	5	\$30,700	
Joints								
Generic	100%			LIFE	**			
Primary Member								
Steel	100%			LIFE	**	2-8	\$516,300	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$432,500	

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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bridge Structure		\$2,059,200	\$2,420,200
Bridge Electrical			\$1,219,100
<b>Total</b>		<b>\$2,059,200</b>	<b>\$3,639,300</b>
Importance Code	A	\$1,175,500	\$1,175,500
Importance Code	B	\$883,800	\$2,102,800
Importance Code	C		\$361,000
<b>Total</b>		<b>\$2,059,200</b>	<b>\$3,639,300</b>

<b>EXPENSE</b>		<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bridge Structure		\$636,400		\$192,100	
Bridge Electrical					
Bridge Mechanical			\$86,200		\$86,200
<b>Total</b>		<b>\$636,400</b>	<b>\$86,200</b>	<b>\$192,100</b>	<b>\$86,200</b>
Importance Code	A	\$430,500		\$103,500	
Importance Code	B	\$160,900	\$86,200	\$88,600	\$86,200
Importance Code	C	\$45,100			
<b>Total</b>		<b>\$636,400</b>	<b>\$86,200</b>	<b>\$192,100</b>	<b>\$86,200</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**  
**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	
<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%							

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Maintenance \$ are aggregated over a ten-year period. Site 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>Approaches</b>								
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	\$21,400	
<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>								
<b>Mat (scour &amp; erosion)</b>								
Not Accessible	100%							
<b>Railings/Parapets</b>								
Concrete	100%			2041	**			
<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>								
<b>Sidewalks</b>								
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>								
<b>Piers</b>								
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	\$438,000	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 6, 13, 14.</i>								
<i>Explanation : Steel Capbeams</i>								
<b>Pier,Columns</b>								
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>								

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**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
Piers								
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		**		
Deck Elements								
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	\$142,600
<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+	\$18,300	2036		**	5	\$34,200
<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>								

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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**  
**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
Deck Elements								
Wearing Surface								
Concrete	100%			2041	**	5	\$361,000	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1 - 5, &amp; 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 &amp; 7.</i>								
<i>Explanation : Steel Grating Wearing Surface.</i>								
Superstructure								
Deck, Structural								
Concrete	100%			LIFE	**	5	\$166,800	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 1 -5, &amp; 8 - 15.</i>								
<i>Explanation : Concrete Deck.</i>								
Steel Grating	100%			LIFE	**	5	\$132,700	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Spans 6 &amp; 7.</i>								
<i>Explanation : Steel Grating In Swing Spans</i>								
Joints								
Generic	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Piers 2, 4, 5, 7, 8, 10, 11, 13 &amp; 14.</i>								
<i>Explanation : Joints.</i>								
Primary Member								
Steel	100%			LIFE	**	2-8	\$2,829,200	
Secondary Member								
Steel	100%			LIFE	**	2-8	\$2,427,400	
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								
Communications								
Generic	100%			2026	\$73,400			
Control System Electrical								
Computer								
PLC	100%			2026	\$935,400			
Control Console								
Stainless Steel	100%			LIFE	**			

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**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>	<b>Priority</b>
<b>Control System Electrical</b>								
Disconnect Switch								
Non Fused	100%			2046		* *		
Limit Switch								
Rotary	100%			2026	\$70,600			
<b>Electrical Power</b>								
Transfer Switch								
Auto	100%			2046		* *		
Transformer								
Dry	100%			2046		* *		
Dist Equip & Motor Controll								
Generic	100%			2046		* *		
<b>Ground/Lightning Protection</b>								
Ground Bus								
Copper	100%			2031		* *		
Ground Rod								
Copper	100%			2026	\$41,400			
Ground Wire								
Green	100%			2031		* *		
Copper Down Contactor	100%			2031		* *		
Lightning Terminals								
Copper	100%			2026	\$98,300			
<b>Power Over 600V</b>								
Service Equipment								
Fused Switch	100%			2046		* *		
Transformer								
Dry	100%			2046		* *		
<b>Raceway</b>								
Conduit								
Metal	100%			2066		* *		
Submarine Control Cables								
Control	100%			2031		* *		
Wires								
Thermoplastic	100%			2046		* *		
<b>Span Lock</b>								
Motor								
Squirrel Cage	100%			2041		* *		
<b>Stand-by Power</b>								
Transfer Switch								
Auto	100%			2046		* *		
<b>Traffic System Electrical</b>								
Barrier Gate Lighting								
Incandescent	100%			2026	\$29,400			
Traffic Gate Lighting								
Incandescent	100%			2026	\$29,400			
<b>Lighting</b>								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020	FY 2021 - 2026
Piers	\$373,800	
<b>Total</b>	<b>\$373,800</b>	
Importance Code A	\$198,100	
Importance Code B	\$175,700	
<b>Total</b>	<b>\$373,800</b>	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Piers	\$33,200			
<b>Total</b>	<b>\$33,200</b>			
Importance Code A	\$30,000			
Importance Code B	\$3,200			
<b>Total</b>	<b>\$33,200</b>			



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



**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	\$14,500	
	<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+	\$89,000	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	\$50,300	
	<i>Rotting/Splitting, Extent : Light, Area Affected : 30%</i>							
	<i>Location : Throughout</i>							
Not Accessible	45%							
Piles and Bracing								
Timber	30%	4+	\$109,100	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	\$13,000	
	<i>Rotting/Splitting, Extent : Light, Area Affected : 40%</i>							
	<i>Location : Throughout</i>							
Not Accessible	50%							
Fender								
Wales and Chocks								
Timber	65%	Now	\$62,100	2041	**	4	\$19,400	
	<i>Missing Part, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
No Component	35%							
Piles								
Timber	30%	Now	\$113,600	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**

<b>Piers</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>								
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%							
<b>Deck Elements</b>								
Coping/Curb								
Timber	10%	Now	\$3,200	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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*Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.*

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : EAST 34TH STREET PIER  
**Address** : EAST RIVER AT EAST 34TH STREET  
**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** : 15-Apr-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</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 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Piers			\$11,500	
<b>Total</b>			<b>\$11,500</b>	
Importance Code A				
Importance Code B			\$7,600	
Importance Code C			\$3,900	
<b>Total</b>			<b>\$11,500</b>	



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**DEPARTMENT OF TRANSPORTATION - 841**  
**EAST 34TH STREET PIER**  
**Asset # : 14638**

Piers System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Structural							
Deck							
Concrete	50%			LIFE	**	5	\$6,000
Not Accessible	50%						
Deck Surface							
Asphalt Pavers	60%			2039	**		
Timber	30%			2039	**	5	\$7,800
Not Accessible	10%						
Pile Caps							
Concrete	100%			LIFE	**	5	\$400
Piles and Bracing							
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%						
Fender							
Wales and Chocks							
Timber	60%			2039	**	4	\$12,300
No Component	40%						
Piles							
Timber	30%			2039	**	4	\$2,800
No Component	40%						
Not Accessible	30%						
Pile Cluster							
Timber	70%			2028	**	4-10	
Not Accessible	30%						
Deck Elements							
Railing							
Steel	100%			2024			

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020	FY 2021 - 2026
Piers	\$331,300	
<b>Total</b>	<b>\$331,300</b>	
Importance Code A	\$331,300	
<b>Total</b>	<b>\$331,300</b>	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Piers	\$65,400			
<b>Total</b>	<b>\$65,400</b>			
Importance Code A	\$65,400			
<b>Total</b>	<b>\$65,400</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**  
**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+	\$144,600	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	\$28,200	
<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	\$26,300	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+	\$15,800	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+	\$50,100	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	\$107,000	
<i>Rotting/Splitting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Piles and Bracing								
Timber	40%			LIFE	**	4-5	\$33,700	
<i>Rotting/Splitting, Extent : Light, Area Affected : 100%</i>								
<i>Location : Piles Throughout</i>								
Timber	30%	4+	\$94,600	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>System</b>	<b>Component</b>	<b>% of</b>	<b>Fail Date</b>	<b>Estimated Cost</b>	<b>Year</b>	<b>Estimated Cost</b>	<b>Cycle</b>	<b>Estimated Cost</b>	<b>Priority</b>
	<b>Type</b>	<b>Total</b>	<b>(Years)</b>		<b>FY</b>		<b>(Yrs)</b>		

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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Piers	\$316,700	\$414,300
<b>Total</b>	<b>\$316,700</b>	<b>\$414,300</b>
Importance Code A	\$168,300	\$92,000
Importance Code C	\$148,500	\$322,300
<b>Total</b>	<b>\$316,700</b>	<b>\$414,300</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Piers	\$52,300			
<b>Total</b>	<b>\$52,300</b>			
Importance Code A	\$45,700			
Importance Code B	\$1,000			
Importance Code C	\$5,600			
<b>Total</b>	<b>\$52,300</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 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	\$22,900	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+	\$168,300	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+	\$22,800	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	\$148,500	2028	**	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		4-10	\$91,700	
Not Accessible	60%							
Deck Elements								
Railing								
Steel	100%			2023				
Coping/Curb								
Timber	99%			LIFE	**			
Timber	1%	Now	\$1,000	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 04-Mar-2013 Landmark Status : NONE  
**Areas Surveyed** :  
**Block** : 1 Lot : 70 BIN :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Piers	\$87,500	\$74,200
<b>Total</b>	<b>\$87,500</b>	<b>\$74,200</b>
Importance Code A	\$38,100	
Importance Code C	\$49,500	\$74,200
<b>Total</b>	<b>\$87,500</b>	<b>\$74,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Piers	\$136,600	\$11,300		
<b>Total</b>	<b>\$136,600</b>	<b>\$11,300</b>		
Importance Code A	\$52,100			
Importance Code B	\$84,500	\$9,600		
Importance Code C		\$1,700		
<b>Total</b>	<b>\$136,600</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**  
**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+	\$27,900	LIFE	**	5	\$900	
			<i>Cracking, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Center Pier, 150ft 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%							
Firewalls								
Concrete	100%			LIFE	**	5	\$2,700	
Pile Caps								
Timber	98%			LIFE	**	4	\$187,500	
Timber	2%	2-4	\$24,200	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	\$38,100	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 :</i>					
			<i>Explanation : 15% Encased</i>					
Fender								
Buffer								
Rubber	100%			2033	**	4-5	\$30,700	
Wales and Chocks								
Timber	90%			2033	**	4	\$75,000	
Timber	10%	4+	\$22,200	2033	**	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>					
Piles								
Timber	2%	Now	\$14,100	2039	**	4	\$500	
			<i>Broken, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
Timber	33%			2033	**	4	\$12,700	
Not Accessible	65%							

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

Maintenance \$ are aggregated over a ten-year period. Site 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								
Pile Cluster								
Timber	30%			2022	\$74,200	4-10	\$27,500	
	<i>Worn, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Tidal Zone</i>							
Timber	20%	Now	\$49,500	2029	**	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	8%			LIFE	**			
Concrete	2%	2-4	\$10,000	LIFE	**			
	<i>Broken, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : North End</i>							
Timber	89%			LIFE	**			
Timber	1%	Now	\$5,100	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 04-Mar-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 1 **Lot** : 70 **BIN** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Piers	\$301,700	\$121,400
<b>Total</b>	<b>\$301,700</b>	<b>\$121,400</b>
Importance Code A	\$184,800	\$121,400
Importance Code B	\$116,900	
<b>Total</b>	<b>\$301,700</b>	<b>\$121,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Piers	\$55,600	\$15,900		
<b>Total</b>	<b>\$55,600</b>	<b>\$15,900</b>		
Importance Code A				
Importance Code B	\$55,600	\$15,900		
<b>Total</b>	<b>\$55,600</b>	<b>\$15,900</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 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%							
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+	\$89,100	LIFE	**	5	\$18,800	
			<i>Corrosion, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Above Mean Low Water Elevation</i>					
Timber	2%	4+	\$95,700	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%			2033	**	4-5	\$50,800	
Wales and Chocks								
Timber	45%			2033	**	4	\$62,200	
Timber	5%	4+	\$22,100	2033	**	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%							
Piles								
Timber	8%	4+	\$93,500	2039	**	4	\$3,400	
			<i>Worn, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Above Mean Low Water Elevation</i>					
Timber	2%	Now	\$23,400	2039	**	4	\$900	
			<i>Broken, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : At One Location</i>					
Timber	30%			2033	**	4	\$19,200	
Not Accessible	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**  
**FERRY MAINTENANCE FACILITY PIER B2**  
**Asset # : 4522**

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

Deck Elements

Coping/Curb

Concrete

5%

LIFE

\*\*

Timber

95%

LIFE

\*\*

*Rotting/Splitting, Extent : Light, Area Affected : 20%*

*Location : Throughout*

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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.*

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Piers		\$1,178,100
<b>Total</b>		<b>\$1,178,100</b>
Importance Code B		\$1,178,100
<b>Total</b>		<b>\$1,178,100</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Piers	\$20,900		\$32,000	\$10,900
<b>Total</b>	<b>\$20,900</b>		<b>\$32,000</b>	<b>\$10,900</b>
Importance Code A	\$8,000			
Importance Code B	\$5,900		\$32,000	
Importance Code C	\$6,900			\$10,900
<b>Total</b>	<b>\$20,900</b>		<b>\$32,000</b>	<b>\$10,900</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**  
**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	\$5,900	
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	\$100	
			<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	\$10,100	
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+	\$6,900	2027	**	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			\$1,119,200	
			<i>Corrosion, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
Steel	5%	4+	\$5,900	2024			\$58,900	
			<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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Piers		\$99,500
<b>Total</b>		<b>\$99,500</b>
Importance Code B		\$99,500
<b>Total</b>		<b>\$99,500</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Piers	\$30,200			
<b>Total</b>	<b>\$30,200</b>			
Importance Code A	\$28,400			
Importance Code B	\$1,800			
<b>Total</b>	<b>\$30,200</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**  
**ST. GEORGE FERRY TERMINAL FUEL PIER**  
**Asset # : 13895**

<b>Piers</b>		<b>Current Repair</b>		<b>Future Replacement</b>		<b>Maintenance</b>		<b>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>Deck</b>								
Concrete	30%			LIFE	**	5	\$9,400	
<i>Discolor &amp; Bleeding, Extent : Light, Area Affected : 25%</i>								
<i>Location : Deck Surface Stringers</i>								
Steel	40%			2027	**	5	\$28,000	
Not Accessible	30%							
<b>Pile Caps</b>								
Concrete	70%			LIFE	**	5	\$800	
Not Accessible	30%							
<b>Piles and Bracing</b>								
Concrete	35%			LIFE	**	5	\$18,600	
Not Accessible	65%							
<b>Fender</b>								
<b>Piles</b>								
Timber	10%			2022	\$99,500	4	\$5,400	
<i>Rotting/Splitting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Piles Along West Face Only</i>								
No Component	85%							
Not Accessible	5%							
<b>Deck Elements</b>								
<b>Railing</b>								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Piers	\$197,000	\$159,100
<b>Total</b>	<b>\$197,000</b>	<b>\$159,100</b>
Importance Code A	\$159,100	\$159,100
Importance Code B	\$37,900	
<b>Total</b>	<b>\$197,000</b>	<b>\$159,100</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Piers	\$32,100			\$700
<b>Total</b>	<b>\$32,100</b>			<b>\$700</b>
Importance Code A	\$32,100			
Importance Code B				\$700
<b>Total</b>	<b>\$32,100</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 Component Type</b>	<b>% of Total</b>	<b>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	\$64,300	
		<i>Cracking, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Isolated Throughout</i>						
Not Accessible	50%							
Piles and Bracing								
Steel	30%			LIFE	**	5	\$318,200	
		<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	\$37,900	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Piers	\$278,200	\$352,800
<b>Total</b>	<b>\$278,200</b>	<b>\$352,800</b>
Importance Code A	\$278,200	\$352,800
<b>Total</b>	<b>\$278,200</b>	<b>\$352,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Piers	\$93,200		\$23,800	\$8,500
<b>Total</b>	<b>\$93,200</b>		<b>\$23,800</b>	<b>\$8,500</b>
Importance Code A	\$62,500			
Importance Code B	\$30,600		\$17,900	
Importance Code C			\$5,800	\$8,500
<b>Total</b>	<b>\$93,200</b>		<b>\$23,800</b>	<b>\$8,500</b>



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

**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	\$65,800	
			<i>Cracking, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Throughout</i>					
Not Accessible	50%							
Deck Surface								
Asphalt	30%			2029	**	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	\$4,300	
			<i>Spalling, Extent : Light, Area Affected : 15%</i>					
			<i>Location : Isolated Offshore Corners</i>					
Timber	10%			LIFE	**	4	\$41,600	
Piles and Bracing								
Steel	65%	4+	\$278,200	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	\$29,500	
Not Accessible	25%							
Fender								
Wales and Chocks								
Timber	65%			2035	**	4	\$31,400	
No Component	35%							
Piles								
Timber	5%	0-2	\$30,600	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bulkheads		\$135,600
<b>Total</b>		<b>\$135,600</b>
Importance Code B		\$135,600
<b>Total</b>		<b>\$135,600</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bulkheads	\$12,300			
<b>Total</b>	<b>\$12,300</b>			
Importance Code A	\$12,300			
<b>Total</b>	<b>\$12,300</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**  
**BULKHEAD, PIER 26**  
**Asset # : 1809**

<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	25%			LIFE	**	5	\$24,600	
		<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>								
<b>Fill</b>								
Not Accessible	100%							
<b>Surface</b>								
Stone	65%			2039	**	10		
Under Construction	35%							
<b>Deck Elements</b>								
<b>Railing</b>								
Steel	25%			2025			\$135,600	
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : BULKHEAD, WHITEHALL FERRY TERM.  
**Address** : UPPER NEW YORK BAY SOUTH ST & 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 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$200		\$1,800	\$400
<b>Total</b>	<b>\$200</b>		<b>\$1,800</b>	<b>\$400</b>
Importance Code B			\$1,800	\$400
Importance Code C	\$200			
<b>Total</b>	<b>\$200</b>		<b>\$1,800</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 Component Type</b>	<b>% of Total</b>	<b>Fail 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%							
<b>Revetment</b>								
Stone	10%			LIFE	**	5	\$500	
No Component	90%							
<b>Backfill</b>								
<b>Fill</b>								
Not Accessible	100%							
<b>Surface</b>								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bulkheads	\$1,152,900	
<b>Total</b>	<b>\$1,152,900</b>	
Importance Code A	\$858,300	
Importance Code B	\$294,700	
<b>Total</b>	<b>\$1,152,900</b>	

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bulkheads	\$5,900		\$800	
<b>Total</b>	<b>\$5,900</b>		<b>\$800</b>	
Importance Code A	\$1,100			
Importance Code B	\$4,800		\$800	
<b>Total</b>	<b>\$5,900</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**  
**DOT HARPER ST. FLEET FACILITY BULKHEAD**

**Asset # : 1792**

Bulkheads		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Structural								
Relieving Platform Top								
Concrete	15%	2-4	\$162,200	LIFE	**	5	\$400	
<i>Erosion, Extent : Severe, Area Affected : 25%</i>								
<i>Location : At Vertical Joints And In Tidal Zone</i>								
Concrete	45%			LIFE	**	5-10	\$2,200	
Timber	35%	Now	\$378,400	LIFE	**	4-5	\$7,500	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Western 250 Ft</i>								
<i>Explanation : Collapsed Or Collapsing</i>								
Timber	5%	4+	\$54,100	LIFE	**	4-5	\$1,100	
<i>Rotting/Splitting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Between Collapsed Section And Concrete Platform</i>								
Piles and Bracing								
Timber	35%	Now	\$263,600	2041	**	4	\$34,300	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Western 200 Ft Beneath Collapsed Platform</i>								
Not Accessible	65%							
Backfill								
Fill								
Stone	35%	Now	\$60,700	LIFE	**	5	\$200	
<i>Loss of Backfill, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Western 200 Ft</i>								
Not Accessible	65%							
Surface								
Asphalt	10%			2029	**	5	\$700	
Topsoil	35%	Now	\$4,800	2026	\$12,000	5	\$500	
<i>Missing Part, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Western 200 Ft</i>								
Topsoil	30%			2024	\$10,300	5	\$900	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Eastern 400 Ft</i>								
<i>Explanation : Vegetation</i>								
Not Accessible	25%							
Fender								
Piles								
Timber	100%	Now	\$120,300	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>								
Wales and Chocks								
Timber	100%	Now	\$113,600	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$3,600			\$300
<b>Total</b>	<b>\$3,600</b>			<b>\$300</b>
Importance Code A	\$3,500			
Importance Code B				\$300
Importance Code C	\$100			
<b>Total</b>	<b>\$3,600</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	\$7,000	
	<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	\$200	
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bulkheads	\$567,200	
<b>Total</b>	<b>\$567,200</b>	
Importance Code A	\$522,000	
Importance Code B	\$45,200	
<b>Total</b>	<b>\$567,200</b>	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$34,700		\$200	
<b>Total</b>	<b>\$34,700</b>		<b>\$200</b>	
Importance Code A	\$22,100			
Importance Code B	\$11,300		\$200	
Importance Code C	\$1,300			
<b>Total</b>	<b>\$34,700</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**  
**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>								
Piles and Bracing								
Timber	30%			2029	**	4	\$20,700	
	<i>Rotting/Splitting, Extent : Light, Area Affected : 20%</i>							
	<i>Location : In Tidal Zone</i>							
Timber	40%	4+	\$35,400	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	\$26,500	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	\$2,600	
No Component	30%							
<b>Sheet Piles</b>								
Timber	90%	4+	\$414,200	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	\$46,000	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	\$4,800	
	<i>Rotting/Splitting, Extent : Light, Area Affected : 10%</i>							
	<i>Location :</i>							
Timber	30%	2-4	\$13,600	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	\$45,200	2066	**			
	<i>Sinkhole, Extent : Severe, Area Affected : 50%</i>							
	<i>Location : Up To 5 Ft From Bulkhead At Northern 25 Ft And Southern 175 Ft</i>							
No Component	5%							
Not Accessible	25%							
<b>Surface</b>								
Topsoil	70%	Now	\$11,300	2026	\$11,300	5	\$500	
	<i>Settlement, Extent : Severe, Area Affected : 50%</i>							
	<i>Location : Behind Bulkhead Up To 5 Ft Wide At Northern 25 Ft And Southern 175 Ft</i>							
Topsoil	25%			2024	\$4,000	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bulkheads	\$1,634,200	\$49,800
<b>Total</b>	<b>\$1,634,200</b>	<b>\$49,800</b>
Importance Code A	\$1,529,000	\$49,800
Importance Code B	\$105,200	
<b>Total</b>	<b>\$1,634,200</b>	<b>\$49,800</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bulkheads	\$39,000			\$9,200
<b>Total</b>	<b>\$39,000</b>			<b>\$9,200</b>
Importance Code A	\$4,200			
Importance Code B	\$25,300			\$9,200
Importance Code C	\$9,500			
<b>Total</b>	<b>\$39,000</b>			<b>\$9,200</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**  
**ST. GEORGE FERRY TERMINAL CONCRETE BULKHEAD**

**Asset # : 1798**

Bulkheads		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Structural								
Coping/Curb								
Timber	5%	4+	\$8,100	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%							
Gravity Wall								
Concrete	35%			LIFE	**	5-10	\$8,300	
			<i>Cracking, Extent : Moderate, Area Affected : 15%</i>					
			<i>Location : Throughout</i>					
Stone	15%			LIFE	**	5	\$74,800	
			<i>Missing Block Seal, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Throughout</i>					
Stone	5%	0-2	\$1,440,300	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%							
Revetment								
Stone	8%			LIFE	**	5	\$2,800	
No Component	92%							
Sheet Piles								
Steel	3%	Now	\$51,300	LIFE	**			
			<i>Corrosion, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Between Slips 3 And 4</i>					
No Component	97%							
Backfill								
Fill								
Topsoil	5%	Now	\$12,400	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%							
Surface								
Asphalt	35%			2035	**	5	\$11,700	
Asphalt	5%	Now	\$13,000	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%							
Fender								
Piles								
Timber	10%	Now	\$54,100	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**

Bulkheads	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fender								
Wales and Chocks								
Timber	10%	Now	\$51,100	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : BULKHEAD @ PIER 79  
**Address** : W 38 TH TO MID W40/W41 STS. 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** : 16-Apr-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 665 **Lot** : 999 **BIN** :

**CAPITAL**

**Total**

Importance Code

**Total**

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$1,500	\$1,500		
<b>Total</b>	<b>\$1,500</b>	<b>\$1,500</b>		
Importance Code B	\$1,500	\$1,500		
<b>Total</b>	<b>\$1,500</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**  
**BULKHEAD @ 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	33%							
Not Accessible	67%							
<hr/>								
Sheet Piles								
Steel	33%			LIFE		**		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Northern End Undergoing Replacement</i>								
No Component	67%							
<hr/>								
<b>Backfill</b>								
Fill								
Not Accessible	100%							
<hr/>								
Surface								
Asphalt	33%			2033	**	5	\$2,900	
Concrete	34%			2037	**	5	\$3,000	
Under Construction	33%							
<hr/>								
<b>Deck Elements</b>								
Railing								
No Component	67%							
Under Construction	33%							
<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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 28-Feb-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bulkheads	\$1,961,900	
<b>Total</b>	<b>\$1,961,900</b>	
Importance Code A	\$1,775,900	
Importance Code B	\$186,000	
<b>Total</b>	<b>\$1,961,900</b>	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$69,600		\$900	
<b>Total</b>	<b>\$69,600</b>		<b>\$900</b>	
Importance Code A				
Importance Code B	\$41,000		\$900	
Importance Code C	\$28,600			
<b>Total</b>	<b>\$69,600</b>		<b>\$900</b>	



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

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

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

**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>Priority</b>
<b>System Component Type</b>	<b>% of Total</b>	<b>Fail 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	100%	Now	\$28,600	LIFE	**	5	\$300	
<i>Displaced Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<hr/>								
Piles and Bracing								
No Component	55%							
Not Accessible	45%							
<hr/>								
Sheet Piles								
Steel	55%	Now	\$1,664,400	LIFE	**			
<i>Corrosion, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Tidal Zone. Multiple Holes Through Sheeting</i>								
<hr/>								
No Component	45%							
<hr/>								
Pile Caps								
Concrete	100%	4+	\$111,500	LIFE	**	5	\$1,600	
<i>Cracking, Extent : Light, Area Affected : 15%</i>								
<i>Location : Horizontal Crack 90 Ft From South, Approximately 20 Ft Long, General Outboard Face Map Cracking</i>								
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 65 Ft From South, Approximately 10 Ft Long</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	30%	Now	\$32,800	2065	**			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Along North Side Of Structure Above Sheet Pile Wall</i>								
<i>Explanation : Fill Loss Through Deteriorated Steel Sheet Pile</i>								
<hr/>								
Not Accessible	70%							
<hr/>								
Surface								
Topsoil	70%			2024	\$19,200	5	\$1,700	
Topsoil	30%	Now	\$8,200	2025	\$8,200	5	\$400	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 310-450 Ft From South</i>								
<i>Explanation : Fill Loss</i>								
<hr/>								
<b>Fender</b>								
Piles								
Timber	100%	Now	\$95,700	2040	**	4	\$12,500	1
<i>Displaced Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<hr/>								
Wales and Chocks								
Timber	100%	Now	\$90,400	2040	**	4	\$28,200	
<i>Displaced Elements, 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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017	FY 2018	FY 2019	FY 2020
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Bulkheads

**Total**

Importance Code A

Importance Code B

**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  
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 Component Type</b>	<b>% of Total</b>	<b>Fail 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>								
<b>Fill</b>								
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>								
<b>Railing</b>								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 05-Mar-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 1483 **Lot** : 60 **BIN** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bulkheads	\$210,700	\$1,522,600
<b>Total</b>	<b>\$210,700</b>	<b>\$1,522,600</b>
Importance Code A	\$210,700	\$86,500
Importance Code B		\$1,436,100
<b>Total</b>	<b>\$210,700</b>	<b>\$1,522,600</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bulkheads	\$35,300			
<b>Total</b>	<b>\$35,300</b>			
Importance Code A				
Importance Code B	\$35,300			
<b>Total</b>	<b>\$35,300</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**  
**BULKHEAD/GRAVITY WALL**  
**Asset # : 4343**

<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>Gravity Wall</b>								
Conc w/Stone Face	10%	Now	\$210,700	LIFE	**	5	\$17,300	
<i>Missing Block Seal, Extent : Severe, Area Affected : 50%</i>								
<i>Location : At Stations 2+40 To 2+60, 2+80 To 3+00, 3+20 To 3+40, 5+35 To 5+55 From North End And Isolated Throughout</i>								
Conc w/Stone Face	40%			LIFE	**	5	\$69,200	
<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	45%							
<b>Backfill</b>								
<b>Fill</b>								
Not Accessible	100%							
<b>Surface</b>								
Asphalt Pavers	48%			2032	**	5	\$10,500	
<i>Settlement, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Asphalt Pavers	1%	Now	\$11,600	2038	**	5	\$100	
<i>Settlement, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Station 5+45 From North</i>								
Asphalt Pavers	1%	4+	\$11,600	2038	**	5	\$100	
<i>Settlement, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Stations 15+00 And 16+17 From North</i>								
Concrete	30%			2032	**	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	79%			2021	\$1,418,200			
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Coating Loss</i>								
Steel	1%	Now	\$3,600	2021	\$18,000			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Station 4+83 From North</i>								
<i>Explanation : Broken</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bulkheads	\$337,900	
<b>Total</b>	<b>\$337,900</b>	
Importance Code C	\$337,900	
<b>Total</b>	<b>\$337,900</b>	

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bulkheads	\$100		\$1,400	
<b>Total</b>	<b>\$100</b>		<b>\$1,400</b>	
Importance Code B			\$1,400	
Importance Code C	\$100			
<b>Total</b>	<b>\$100</b>		<b>\$1,400</b>	



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

**DEPARTMENT OF TRANSPORTATION - 841**  
**CONNER STREET DOT YARD REVETMENT**  
**Asset # : 14768**

Bulkheads		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Structural								
Revetment								
Stone	95%	4+	\$337,900	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	\$300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Adjacent To Outfall</i>								
Backfill								
Fill								
Not Accessible	100%							
Surface								
Asphalt	50%			2029	**	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : DOT ASPHALT PLANT RELIEVING PLATFORM  
**Address** : 488 HAMILTON AVE. E.SHORE GOWANAS BAY S. OF EXPWAY  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0130.011 / 1793 **Yr Built/Renovated** :  
**Linear Ft** : 520 **Project Type** : HIGHWAYS  
**Date of Survey** : 15-Dec-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 625 **Lot** : 2 **BIN** :

**CAPITAL**

**Total**

Importance Code

**Total**

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$50,000			\$8,200
<b>Total</b>	<b>\$50,000</b>			<b>\$8,200</b>
Importance Code A	\$17,200			
Importance Code B	\$32,800			\$8,200
Importance Code C				
<b>Total</b>	<b>\$50,000</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**  
**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+	\$17,200	LIFE	**	5	\$200	
	<i>Spalling, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Throughout</i>							
Concrete	90%			LIFE	**	5	\$1,800	
Coping/Curb								
Timber	100%			LIFE	**	5	\$300	
Piles and Bracing								
Concrete	10%			LIFE	**	5	\$300	
Steel	15%			LIFE	**	5	\$12,000	
	<i>Corrosion, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : Splash Zone</i>							
Not Accessible	75%							
Pile Caps								
Concrete	10%			LIFE	**	5	\$200	
Not Accessible	90%							
<b>Backfill</b>								
Surface								
Asphalt	15%			2032	**	5	\$900	
Topsoil	10%			2021	\$2,700	5	\$200	
Not Accessible	75%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : Relieving Platform Surface Covered With Crushed Stone.</i>							
<b>Fender</b>								
Piles								
Timber	25%			2032	**	4	\$3,100	
	<i>Worn, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : Throughout</i>							
Timber	15%	Now	\$14,400	2038	**	4	\$1,900	
	<i>Broken, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
Timber	15%	2-4	\$14,400	2038	**	4	\$1,900	
	<i>Worn, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Throughout</i>							
Not Accessible	45%							

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

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

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



**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>	
Fender								
Wales and Chocks								
Timber	47%			2032	**	4	\$13,300	
<i>Worn, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Timber	1%	Now	\$1,400	2038	**	4	\$300	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Timber	2%	2-4	\$2,300	2036	**	4	\$600	
<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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : DOT ASPHALT PLANT STEEL SHEET PILE BULKHEAD  
**Address** : 488 HAMILTON AVE. W.SHORE GOWANAS BAY S. OF EXPWAY  
**Borough** : BROOKLYN **Agency's Number** : N/A  
**Program / Asset #** : DOT0130.012 / 1794 **Yr Built/Renovated** :  
**Linear Ft** : 31 **Project Type** : HIGHWAYS  
**Date of Survey** : 15-Dec-2011 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 625 **Lot** : 2 **BIN** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bulkheads	\$126,300	
<b>Total</b>	<b>\$126,300</b>	
Importance Code A	\$126,300	
<b>Total</b>	<b>\$126,300</b>	

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bulkheads	\$100			
<b>Total</b>	<b>\$100</b>			
Importance Code B	\$100			
<b>Total</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 Component Type</b>	<b>% of Total</b>	<b>Fail 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	35%	Now	\$63,100	LIFE		* *		
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Broken/missing</i>								
Steel	35%	4+	\$63,100	LIFE		* *		
<i>Corrosion, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Splash Zone</i>								
Not Accessible	30%							
<b>Backfill</b>								
Fill								
Not Accessible	100%							
<b>Surface</b>								
Concrete	50%			2032		* *	5	\$200
Topsoil	50%			2022		\$800	5	\$100

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bulkheads	\$431,200	\$39,500
<b>Total</b>	<b>\$431,200</b>	<b>\$39,500</b>
Importance Code B		\$39,500
Importance Code C	\$431,200	
<b>Total</b>	<b>\$431,200</b>	<b>\$39,500</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bulkheads	\$100		\$1,800	
<b>Total</b>	<b>\$100</b>		<b>\$1,800</b>	
Importance Code B			\$1,800	
Importance Code C	\$100			
<b>Total</b>	<b>\$100</b>		<b>\$1,800</b>	



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

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

\*\* 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>System Component Type</b>	<b>% of Total</b>	<b>Fail 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>								
<b>Revetment</b>								
Asphalt Remnants	20%			LIFE	* *	5	\$300	
<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	\$431,200	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	\$39,500	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : DOT FACILITY/STEEL BULKHEAD UNDER WILLIAMSBURG BRIDGE  
**Address** : 352-372 KENT AVE. / SOUTH 5TH ST. TO SOUTH 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** : 10-Jan-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 2453 **Lot** : 1 **BIN** :

**CAPITAL**

**Total**

Importance Code

**Total**

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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**  
**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 Component Type</b>	<b>% of Total</b>	<b>Fail 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</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	65%			LIFE	**	5	\$500	
	<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
No Component	35%							
<b>Backfill</b>								
<b>Fill</b>								
Under Construction	100%							
<b>Surface</b>								
Under Construction	100%							

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 09-Apr-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 499 **Lot** : 51 **BIN** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bulkheads		\$184,000
<b>Total</b>		<b>\$184,000</b>
Importance Code B		\$184,000
<b>Total</b>		<b>\$184,000</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bulkheads	\$1,800			
<b>Total</b>	<b>\$1,800</b>			
Importance Code A				
Importance Code B	\$1,800			
<b>Total</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 Component Type</b>	<b>% of Total</b>	<b>Fail 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	100%			LIFE	**	5	\$2,100	
		<i>Cracking, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Throughout</i>						
		<i>Spalling, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Throughout</i>						
<b>Backfill</b>								
<b>Fill</b>								
Not Accessible	100%							
<b>Surface</b>								
Concrete	60%			2032	**	5	\$3,500	
Topsoil	40%			2021	\$10,800	5	\$1,000	
<b>Deck Elements</b>								
<b>Railing</b>								
Aluminum	100%			2022	\$184,000			
<b>Parapet</b>								
Concrete	100%			2024				

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 15-Apr-2013 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 1474 **Lot** : 60 **BIN** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bulkheads	\$777,100	\$185,400
<b>Total</b>	<b>\$777,100</b>	<b>\$185,400</b>
Importance Code A	\$777,100	\$98,000
Importance Code B		\$87,400
<b>Total</b>	<b>\$777,100</b>	<b>\$185,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bulkheads	\$21,600	\$5,600		
<b>Total</b>	<b>\$21,600</b>	<b>\$5,600</b>		
Importance Code A	\$20,200			
Importance Code B	\$1,400	\$5,600		
<b>Total</b>	<b>\$21,600</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**  
**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>								
Relieving Platform Top								
Concrete	80%			LIFE	**	5	\$3,700	
	<i>Cracking, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Throughout</i>							
Concrete	20%	2-4	\$20,200	LIFE	**	5	\$900	
	<i>Spalling, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Along Top Edge</i>							
<b>Pile Supported Wall</b>								
Conc w/Stone Face	25%	2-4	\$213,500	LIFE	**	5	\$24,500	
	<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Throughout Above Granite Fascia Panels</i>							
	<i>Explanation : Erosion On Concrete</i>							
Conc w/Stone Face	10%	Now	\$341,600	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+	\$222,000	LIFE	**	5	\$63,700	
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Throughout Above Granite Fascia Panels</i>							
	<i>Explanation : Erosion</i>							
<b>Piles and Bracing</b>								
Not Accessible	100%							
<b>Backfill</b>								
<b>Fill</b>								
Not Accessible	100%							
<b>Surface</b>								
Asphalt	80%			2033	**	5	\$11,200	
Asphalt Pavers	20%			2037	**	5	\$2,800	
<b>Deck Elements</b>								
<b>Railing</b>								
Aluminum	20%			2023	\$87,400			
Fencing	20%			2025	\$13,000	3	\$100	
No Component	60%							

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : RELIEVING PLATFORM  
**Address** : E. RIVER, 34TH TO 36TH STS.  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0025.064 / 4342 **Yr Built/Renovated** :  
**Linear Ft** : 546 **Project Type** : HIGHWAYS  
**Date of Survey** : 08-Mar-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 966 **Lot** : 999 **BIN** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bulkheads		\$178,700
<b>Total</b>		<b>\$178,700</b>
Importance Code B		\$178,700
<b>Total</b>		<b>\$178,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bulkheads	\$35,300			\$1,600
<b>Total</b>	<b>\$35,300</b>			<b>\$1,600</b>
Importance Code A	\$13,800			
Importance Code B	\$21,500			\$1,600
<b>Total</b>	<b>\$35,300</b>			<b>\$1,600</b>



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

**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	2%	4+	\$2,200	LIFE		**		
<i>Erosion, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Isolated At Top Of Bulkhead Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Isolated At Top Of Bulkhead Throughout</i>								
Concrete/Stone	2%	Now	\$4,400	LIFE		**		
<i>Missing Part, Extent : Severe, Area Affected : 20%</i>								
<i>Location : At Stations 3+50 And 4+30 From North</i>								
Concrete/Stone	96%			LIFE		**		
<i>Cracking, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<b>Piles and Bracing</b>								
Not Accessible	100%							
<b>Lowlevel Pile Caps</b>								
Timber	5%	Now	\$7,100	LIFE		**		
<i>Rotting/Splitting, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Along Bulkhead Face Throughout</i>								
Not Accessible	95%							
<b>Backfill</b>								
<b>Fill</b>								
Not Accessible	45%							
Under Construction	55%							
<b>Surface</b>								
Asphalt	45%			2032		**	5	\$2,800
Under Construction	55%							
<b>Fender</b>								
<b>Piles</b>								
Timber	20%	Now	\$20,100	2038		**	4	\$2,600
<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%			2032		**	4	\$3,300
No Component	10%							
Not Accessible	45%							
<b>Deck Elements</b>								
<b>Railing</b>								
Steel	35%			2021	\$178,700			
Under Construction	65%							

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : REVETMENT - 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** : 20-Nov-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : 2186 **Lot** : 9 **BIN** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Bulkheads	\$69,100	
<b>Total</b>	<b>\$69,100</b>	
Importance Code C	\$69,100	
<b>Total</b>	<b>\$69,100</b>	

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Bulkheads	\$1,600			
<b>Total</b>	<b>\$1,600</b>			
Importance Code B	\$1,600			
Importance Code C				
<b>Total</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**  
**REVTMENT - RIPRAP BULKHEAD**  
**Asset # : 13798**

Bulkheads		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Structural								
Revetment								
Stone	65%	4+	\$69,100	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 Placement/ Protection, Concrete Debris</i>								
Stone	35%			LIFE	**	5	\$600	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Southern 100ft Of Asset</i>								
Backfill								
Fill								
Topsoil	10%	4+	\$600	2052	**			
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : North End Of Park</i>								
<i>Explanation : Erosion Above Rip Rap Revetment</i>								
Not Accessible	90%							
Surface								
Topsoil	10%	4+	\$300	2022	\$1,600	5	\$100	
<i>Erosion, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North End Of Park</i>								
Topsoil	90%			2022	\$14,000	5	\$1,200	

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

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

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

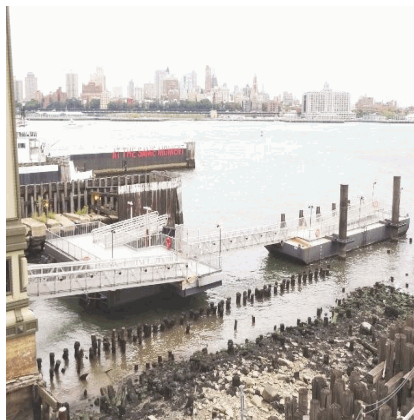
Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Marinas/Docks		\$151,500
<b>Total</b>		<b>\$151,500</b>
Importance Code A		\$151,500
<b>Total</b>		<b>\$151,500</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Marinas/Docks	\$59,100	\$900	\$19,300	\$3,800
<b>Total</b>	<b>\$59,100</b>	<b>\$900</b>	<b>\$19,300</b>	<b>\$3,800</b>
Importance Code A	\$45,500		\$9,500	
Importance Code B	\$12,800	\$500	\$9,300	\$3,500
Importance Code C	\$800	\$300	\$500	\$300
<b>Total</b>	<b>\$59,100</b>	<b>\$900</b>	<b>\$19,300</b>	<b>\$3,800</b>



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



**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	
Access Walkways								
Gangways								
Aluminum	75%			2052	**	1-3	\$30,300	
Aluminum	25%	Now	\$12,400	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	\$5,500	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	\$13,400	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+	\$27,800	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	\$38,100			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Moving Connections Between Barges</i>								
<i>Explanation : Abrasion</i>								
PVC	5%	Now	\$2,000	2024	\$2,000			
<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	\$2,200	2021	\$22,300			
<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	\$89,000			
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.

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : CITY ISLAND FERRY DOCK  
**Address** : FORDHAM STREET  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0128.000 / 13923 **Yr Built/Renovated** :  
**Area Sq Ft** : 1,620 **Project Type** : FERRIES  
**Date of Survey** : 09-Dec-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks	\$264,600	\$1,299,400
<b>Total</b>	<b>\$264,600</b>	<b>\$1,299,400</b>
Importance Code A	\$264,600	\$1,299,400
<b>Total</b>	<b>\$264,600</b>	<b>\$1,299,400</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$79,900		\$1,200	\$100
<b>Total</b>	<b>\$79,900</b>		<b>\$1,200</b>	<b>\$100</b>
Importance Code A	\$79,100		\$700	
Importance Code B	\$800		\$500	\$100
<b>Total</b>	<b>\$79,900</b>		<b>\$1,200</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**  
**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	
Access Walkways								
Deck								
Timber	50%			2024	\$45,900	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+	\$25,000	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+	\$4,400	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	\$1,038,700			
			<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	\$112,800	2031				**
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Rotting, Splitting</i>								
Timber	15%	Now	\$48,300	2031				**
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Broken</i>								
Timber	20%			2024	\$214,800			
Not Accessible	30%							
Wales and Chocks								
Timber	35%	Now	\$42,600	2027				**
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Rotting, Splitting</i>								
Timber	50%	2-4	\$60,900	2027				**
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Rotting, Splitting</i>								
Timber	15%			2027				**
Gallows Frames								
Tower Frames								
Steel	5%	4+	\$16,900	2035				**
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Connection Hardware</i>								
<i>Explanation : Corrosion</i>								
Timber	10%	4+	\$32,700	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				**
<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				**
<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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : E90TH ST FERRY LANDING  
**Address** : EAST RIVER ESPLANADE AT E90TH ST NORTH END OF CARL SCHURZ PARK  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0197.000 / 14118 **Yr Built/Renovated** : 1996 / 2007  
**Area Sq Ft** : 6,178 **Project Type** : FERRIES  
**Date of Survey** : 11-Apr-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** :

<b>CAPITAL</b>		<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Marinas/Docks			\$660,200
<b>Total</b>			<b>\$660,200</b>
Importance Code A			\$660,200
<b>Total</b>			<b>\$660,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Marinas/Docks	\$21,000	\$10,100	\$3,500	\$100
<b>Total</b>	<b>\$21,000</b>	<b>\$10,100</b>	<b>\$3,500</b>	<b>\$100</b>
Importance Code A	\$20,900	\$10,000	\$1,000	
Importance Code B	\$100	\$100	\$2,600	\$100
<b>Total</b>	<b>\$21,000</b>	<b>\$10,100</b>	<b>\$3,500</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**  
**E90TH ST FERRY LANDING**  
**Asset # : 14118**

<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>
<b>Access Walkways</b>								
<b>Deck</b>								
Timber	55%			2021	\$221,700	5	\$6,700	
Not Accessible	45%							
<b>Gangways</b>								
Aluminum	100%			2043	* *	1-3	\$8,500	
<b>Pile Caps</b>								
Timber	40%			2043	* *	4	\$400	
Not Accessible	60%							
<b>Piles and Bracing</b>								
Timber	60%			2043	* *	4-5	\$21,500	
Not Accessible	40%							
<b>Deck Elements</b>								
<b>Railing</b>								
Steel	100%			2021	\$438,500			
<b>Electrical</b>								
<b>Lighting Fixture</b>								
Incandescent	100%			2017	\$20,900			
<b>Fender</b>								
<b>Piles</b>								
Timber	50%			2024				
Not Accessible	50%							
<b>Wales and Chocks</b>								
Timber	100%			2024				

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

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

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



Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : EAST 34TH ST FERRY LANDING  
**Address** : EAST 34TH STREET @ THE EAST RIVER  
**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** : 06-Mar-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Marinas/Docks	\$37,100	\$971,000
<b>Total</b>	<b>\$37,100</b>	<b>\$971,000</b>
Importance Code A	\$37,100	\$971,000
<b>Total</b>	<b>\$37,100</b>	<b>\$971,000</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Marinas/Docks	\$5,600	\$200	\$5,800	\$31,600
<b>Total</b>	<b>\$5,600</b>	<b>\$200</b>	<b>\$5,800</b>	<b>\$31,600</b>
Importance Code A	\$5,300			\$31,300
Importance Code B	\$200	\$200	\$5,800	\$200
<b>Total</b>	<b>\$5,600</b>	<b>\$200</b>	<b>\$5,800</b>	<b>\$31,600</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**  
**EAST 34TH ST FERRY LANDING**  
**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%			2049	**	1-3	\$19,000	
Floating Docks								
Anchor Piles								
Steel	50%			2049	**	3-5		
		<i>Missing Coating, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Along Guides</i>						
Not Accessible	50%							
Fenders								
Rubber	100%			2022		1-2		
Barge								
Steel	20%			2036	**	5	\$7,500	
Not Accessible	80%							
Deck Elements								
Railing								
Steel	98%			2022			\$872,300	
Steel	2%	Now	\$5,300	2022			\$17,800	
		<i>Broken, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : At South Barge Berth S.2</i>						
Electrical								
Conduit								
Steel	60%			2022			\$80,900	
PVC	40%			2020			\$31,300	
Lighting Fixture								
Incandescent	100%			2018			\$37,100	
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : HART ISLAND FERRY DOCK  
**Address** : HART ISLAND  
**Borough** : BRONX **Agency's Number** : N/A  
**Program / Asset #** : DOT0193.000 / 13892 **Yr Built/Renovated** :  
**Area Sq Ft** : 1,600 **Project Type** : FERRIES  
**Date of Survey** : 02-Dec-2014 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks	\$144,200	\$322,900
<b>Total</b>	<b>\$144,200</b>	<b>\$322,900</b>
Importance Code A	\$144,200	\$322,900
<b>Total</b>	<b>\$144,200</b>	<b>\$322,900</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$38,200	\$1,800	\$1,800	
<b>Total</b>	<b>\$38,200</b>	<b>\$1,800</b>	<b>\$1,800</b>	
Importance Code A	\$38,200	\$1,800	\$1,800	
<b>Total</b>	<b>\$38,200</b>	<b>\$1,800</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	\$119,300	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	\$3,500	
<i>Splitting, Extent : Light, Area Affected : 5%</i>								
<i>Location : Isolated Throughout</i>								
Piles and Bracing								
Timber	5%	4+	\$4,100	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	\$17,000	
<i>Splitting, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Fender								
Facing								
Timber	10%	2-4	\$40,700	2026	\$40,700			
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Missing, Broken</i>								
Timber	40%			2025	\$162,900			
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Abrasion</i>								
Under Construction	50%							
Piles								
Timber	10%			2027	* *			
Not Accessible	40%							
Under Construction	50%							
Wales and Chocks								
Timber	25%			2027	* *			
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+	\$56,500	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	\$47,000	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	\$28,000	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+	\$6,200	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.

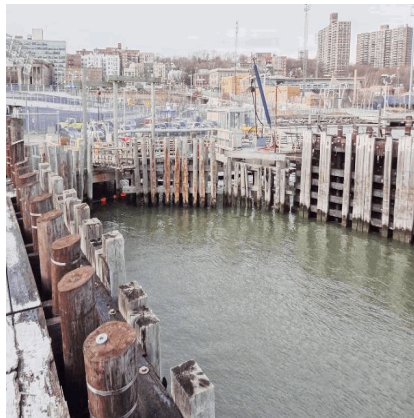
Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Marinas/Docks	\$687,400	\$1,374,700
<b>Total</b>	<b>\$687,400</b>	<b>\$1,374,700</b>
Importance Code A	\$687,400	\$1,374,700
<b>Total</b>	<b>\$687,400</b>	<b>\$1,374,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Marinas/Docks	\$400	\$100	\$12,100	\$400
<b>Total</b>	<b>\$400</b>	<b>\$100</b>	<b>\$12,100</b>	<b>\$400</b>
Importance Code B	\$400	\$100	\$12,100	\$400
<b>Total</b>	<b>\$400</b>	<b>\$100</b>	<b>\$12,100</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	Priority
Access Walkways								
Gangways								
Timber	100%			2019	\$12,100	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	\$687,400			
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout Splash Zone</i>								
<i>Explanation : Abrasion</i>								
Timber	50%	Now	\$687,400	2026	\$687,400			
<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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Marinas/Docks	\$764,900	\$4,472,400
<b>Total</b>	<b>\$764,900</b>	<b>\$4,472,400</b>
Importance Code A	\$764,900	\$4,472,400
<b>Total</b>	<b>\$764,900</b>	<b>\$4,472,400</b>

**EXPENSE**

**Total**  
 Importance Code  
**Total**



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



**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	Priority
<b>Fender</b>								
Facing								
Timber	85%			2021	\$4,223,900			
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Abrasion</i>								
Timber	5%	Now	\$248,500	2026	\$248,500			
<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	\$516,400	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		**		
<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		**		
<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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Marinas/Docks	\$35,900	\$445,000
<b>Total</b>	<b>\$35,900</b>	<b>\$445,000</b>
Importance Code A		\$445,000
Importance Code C	\$35,900	
<b>Total</b>	<b>\$35,900</b>	<b>\$445,000</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Marinas/Docks	\$17,800		\$6,100	\$9,300
<b>Total</b>	<b>\$17,800</b>		<b>\$6,100</b>	<b>\$9,300</b>
Importance Code A			\$3,400	\$9,300
Importance Code C	\$17,800		\$2,700	
<b>Total</b>	<b>\$17,800</b>		<b>\$6,100</b>	<b>\$9,300</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**  
**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	* *	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	\$17,800	2031	* *	4	\$2,700	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Single Cluster</i>								
Timber	40%			2027	* *	4-10	\$41,300	
Not Accessible	40%							
Deck Elements								
Railing								
Steel	100%			2024	\$445,000			
Electrical								
Lighting Fixture								
Incandescent	100%			2020	\$9,300			
<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	* *			
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : ST. GEORGE FERRY TERMINAL SLIP 8 & 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** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Marinas/Docks	\$644,000	\$1,211,700
<b>Total</b>	<b>\$644,000</b>	<b>\$1,211,700</b>
Importance Code A	\$644,000	\$825,000
Importance Code C		\$386,800
<b>Total</b>	<b>\$644,000</b>	<b>\$1,211,700</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Marinas/Docks	\$56,100	\$200	\$3,000	\$21,800
<b>Total</b>	<b>\$56,100</b>	<b>\$200</b>	<b>\$3,000</b>	<b>\$21,800</b>
Importance Code A	\$38,200	\$200	\$1,200	\$15,000
Importance Code B	\$100	\$100	\$1,800	\$100
Importance Code C	\$17,800			\$6,700
<b>Total</b>	<b>\$56,100</b>	<b>\$200</b>	<b>\$3,000</b>	<b>\$21,800</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 SLIP 8 & 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	\$79,900	5	\$2,400	
Gangways								
Aluminum	100%			2046	**	1-3	\$5,900	
Piles and Bracing								
Timber	40%			2046	**	4-5	\$4,800	
Timber	10%	Now	\$5,400	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	\$296,900	4-10	\$103,300	
Timber	10%	2-4	\$17,800	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	\$15,000			
Fender								
Piles								
Timber	20%	Now	\$550,800	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	**			
<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	\$93,100	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	\$745,100			
Gallows Frames								
Tower Frames								
Timber	50%	2-4	\$32,700	2041	**			
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 69th Street Slip</i>								
<i>Explanation : Splitting/ Rotting</i>								
Timber	50%			2029	**			

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

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

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

Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : ST. GEORGE FERRY TERMINAL SLIPS B-1, B-2, & 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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Marinas/Docks	\$172,000	\$232,200
<b>Total</b>	<b>\$172,000</b>	<b>\$232,200</b>
Importance Code A	\$136,100	\$232,200
Importance Code C	\$35,900	
<b>Total</b>	<b>\$172,000</b>	<b>\$232,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Marinas/Docks	\$15,300	\$100	\$2,800	\$14,900
<b>Total</b>	<b>\$15,300</b>	<b>\$100</b>	<b>\$2,800</b>	<b>\$14,900</b>
Importance Code A	\$3,700			\$13,500
Importance Code B	\$11,500	\$100	\$100	\$1,400
Importance Code C			\$2,700	
<b>Total</b>	<b>\$15,300</b>	<b>\$100</b>	<b>\$2,800</b>	<b>\$14,900</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 SLIPS B-1, B-2, & 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+	\$11,500	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	**	4-10	\$41,300	
Not Accessible	40%							
Deck Elements								
Railing								
Timber	25%	Now	\$3,700	2021			\$3,700	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Phantom Slip</i>								
Timber	75%			2020			\$11,200	
Fender								
Facing								
Timber	80%			2021			\$195,500	
<i>Other Observation, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Abrasion</i>								
Timber	15%	Now	\$36,700	2026			\$36,700	
<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, & 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	
Fender								
Piles								
Steel	10%	2-4	\$28,400	2027			* *	
<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+	\$71,000	2027			* *	
<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%							
Wales and Chocks								
Timber	100%			2027			* *	
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Splitting</i>								
Gallows Frames								
Tower Frames								
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>								
Movable Ramps								
Bearings								
Steel	100%			2035			* *	
Deck and Railing								
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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : WALL STREET FERRY PIER SLIPS A,C, & E NO. SIDE PIER 11  
**Address** : SOUTH OF THE FOOT OF WALL STREET @ THE EAST RIVER  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0200.000 / 14194 **Yr Built/Renovated** :  
**Area Sq Ft** : 748 **Project Type** : FERRIES  
**Date of Survey** : 10-Apr-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Marinas/Docks	\$62,600	\$759,200
<b>Total</b>	<b>\$62,600</b>	<b>\$759,200</b>
Importance Code A	\$62,600	\$759,200
<b>Total</b>	<b>\$62,600</b>	<b>\$759,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Marinas/Docks	\$16,000	\$800	\$33,700	\$800
<b>Total</b>	<b>\$16,000</b>	<b>\$800</b>	<b>\$33,700</b>	<b>\$800</b>
Importance Code A	\$8,000		\$27,500	
Importance Code B	\$200	\$200	\$5,300	\$200
Importance Code C	\$7,800	\$600	\$900	\$600
<b>Total</b>	<b>\$16,000</b>	<b>\$800</b>	<b>\$33,700</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**  
**WALL STREET FERRY PIER SLIPS A,C, & E NO. 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	
Access Walkways								
Deck								
Steel	55%			2049	* *			
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Bottom Of Gangways</i>								
No Component	45%							
Gangways								
Aluminum	100%			2049	* *	1-3	\$17,600	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Support Bracket Hardware At Pier Connection Of Slip A Gangway</i>								
<i>Explanation : Corrosion</i>								
Floating Docks								
Anchor Piles								
Steel	45%			2049	* *	3-5	\$11,900	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Above Mlw Elevation And Spud Piles At Slip E</i>								
<i>Missing Coating, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Above Mlw Elevation</i>								
Not Accessible	55%							
Fenders								
Rubber	25%			2021	\$2,500	1-2	\$1,900	
Rubber	75%	4+	\$7,600	2023	\$7,600	1-2	\$5,000	
<i>Worn, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Isolated At Fenders All Slips At North Side</i>								
Barge								
Steel	40%			2032	* *	5	\$15,900	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Isolated On Barge Surface, And Along Sides Of Barges Above Mlw Elevation</i>								
Not Accessible	60%							
Protective Structure								
Donut Fender								
Steel/Rubber	60%			2022				
No Component	40%							
Deck Elements								
Railing								
Steel	100%			2022	\$759,200			
Electrical								
Conduit								
PVC	100%			2019	\$23,400			
Lighting Fixture								
Incandescent	100%			2017	\$62,600			
Fender								

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

Maintenance \$ are aggregated over a ten-year period. Site 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 NO. SIDE PIER 11**

**Asset # : 14194**

Marinas/Docks	Current Repair		Future Replacement		Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fender								
Piles								
Timber	45%			2027		* *		
	<i>Other Observation, Extent : Light, Area Affected : 30%</i>							
	<i>Location : North Side Of Pier 11</i>							
	<i>Explanation : Worn</i>							
No Component	25%							
Not Accessible	30%							
Movable Ramps								
Deck and Railing								
Steel	100%			2036		* *		
	<i>Other Observation, Extent : Light, Area Affected : 75%</i>							
	<i>Location : On Gears Beneath Landings</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : WALL STREET FERRY PIER SLIPS B & D SOUTH SIDE PIER 11  
**Address** : SOUTH OF THE FOOT OF WALL STREET @THE EAST RIVER  
**Borough** : MANHATTAN **Agency's Number** : N/A  
**Program / Asset #** : DOT0200.010 / 14265 **Yr Built/Renovated** :  
**Area Sq Ft** : 500 **Project Type** : FERRIES  
**Date of Survey** : 10-Apr-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Marinas/Docks	\$37,100	\$598,400
<b>Total</b>	<b>\$37,100</b>	<b>\$598,400</b>
Importance Code A	\$37,100	\$598,400
<b>Total</b>	<b>\$37,100</b>	<b>\$598,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Marinas/Docks	\$8,200	\$400	\$19,800	\$400
<b>Total</b>	<b>\$8,200</b>	<b>\$400</b>	<b>\$19,800</b>	<b>\$400</b>
Importance Code A	\$5,900		\$15,900	
Importance Code B	\$200	\$200	\$3,600	\$200
Importance Code C	\$2,200	\$200	\$400	\$200
<b>Total</b>	<b>\$8,200</b>	<b>\$400</b>	<b>\$19,800</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**  
**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	53%			2049	**			
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : On Gangway Supports And At Bottom Of Gangways</i>								
No Component	45%							
Not Accessible	2%							
Gangways								
Aluminum	100%			2049	**	1-3	\$11,700	
Floating Docks								
Anchor Piles								
Steel	45%			2049	**	3-5	\$5,900	
<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	50%	2-4	\$2,000	2023	\$2,000	1-2	\$1,300	
<i>Worn, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Fenders On East Side Of Slip D</i>								
Rubber	50%			2021	\$2,000	1-2	\$1,500	
Barge								
Steel	40%			2032	**	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%			2022	\$598,400			
Electrical								
Conduit								
PVC	100%			2019	\$13,800			
Lighting Fixture								
Incandescent	100%			2017	\$37,100			
Fender								
Piles								
Timber	30%			2027	**			
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : In Tidal Zone</i>								
<i>Explanation : Worn</i>								
No Component	50%							
Not Accessible	20%							
Movable Ramps								

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

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

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

**DEPARTMENT OF TRANSPORTATION - 841**  
**WALL STREET FERRY PIER SLIPS B & D SOUTH SIDE PIER 11**  
**Asset # : 14265**

Marinas/Docks		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Movable Ramps								
Deck and Railing								
Steel	1%	4+	\$500	2038				* *
<i>Other Observation, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Grating At Edge Of West Side Of Slip B Landing</i>								
<i>Explanation : Broken Element</i>								
Steel	99%			2032				* *
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : On Gears Beneath Landing</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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : WEST MIDTOWN FERRY TERMINAL PIER 79 NORTH RIVER  
**Address** : WEST 39TH STREET & 12TH AVENUE @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** : 12-Apr-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** :

<b>CAPITAL</b>	<b>FY 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Marinas/Docks	\$323,600	\$973,200
<b>Total</b>	<b>\$323,600</b>	<b>\$973,200</b>
Importance Code A	\$323,600	\$973,200
<b>Total</b>	<b>\$323,600</b>	<b>\$973,200</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Marinas/Docks	\$11,600	\$2,000	\$17,500	\$2,000
<b>Total</b>	<b>\$11,600</b>	<b>\$2,000</b>	<b>\$17,500</b>	<b>\$2,000</b>
Importance Code A	\$800			
Importance Code B	\$700	\$700	\$15,500	\$700
Importance Code C	\$10,100	\$1,300	\$2,000	\$1,300
<b>Total</b>	<b>\$11,600</b>	<b>\$2,000</b>	<b>\$17,500</b>	<b>\$2,000</b>



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

**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%			2043	**			
No Component	85%							
Gangways								
Aluminum	100%			2043	**	1-3	\$51,100	
Piles and Bracing								
Steel	50%			2043	**	5-10	\$1,100	
		<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%							
Floating Docks								
Anchor Piles								
Steel	50%			2043	**	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%			2021	\$13,300	1-2	\$10,000	
Rubber	40%	2-4	\$8,900	2023	\$8,900	1-2	\$5,900	
		<i>Worn, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : At Contact Point With Ferries</i>						
Railing								
Steel	99%			2021	\$833,100			
Steel	1%	Now	\$800	2021	\$8,400			
		<i>Broken, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Chain At North End Of Terminal, Slip 6</i>						
		<i>Missing Components, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Chain At South End Of Terminal, Slip 1</i>						
Barge								
Steel	50%			2032	**	5	\$71,900	
		<i>Corrosion, Extent : Light, Area Affected : 2%</i>						
		<i>Location : Isolated Throughout Top And Sides Of Barges</i>						
		<i>Displaced Component, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Up To 2 Inch At Connections Between Center Barge And North &amp; South Barges. Ferry Side Beyond Railing.</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>						
Not Accessible	50%							
Electrical								
Conduit								
Steel	100%			2021	\$71,000			

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

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



**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	
Electrical								
Lighting Fixture								
Incandescent	100%			2017	\$250,400			
Electrical/Mech.								
Power Supply/Bollards								
Steel	100%			2021	\$14,100			
Fender								
Piles								
Timber	20%			2024	\$24,800			
		<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Wear</i>						
Timber	25%	Now	\$31,000	2028			* *	
		<i>Other Observation, Extent : Severe, Area Affected : 50%</i>						
		<i>Location : At North Dolphin</i>						
		<i>Explanation : Broken Piles</i>						
Timber	5%	2-4	\$6,200	2028			* *	
		<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	50%							
Movable Ramps								
Deck and Railing								
Steel	100%			2032			* *	

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Print Date : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**Asset Name** : WHITEHALL FERRY TERMINAL FERRY SLIPS 1 - 3  
**Address** : UPPER NEW YORK BAY SOUTH ST & 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 2017 - 2020</b>	<b>FY 2021 - 2026</b>
Marinas/Docks	\$641,100	\$2,138,400
<b>Total</b>	<b>\$641,100</b>	<b>\$2,138,400</b>
Importance Code A	\$641,100	\$2,138,400
<b>Total</b>	<b>\$641,100</b>	<b>\$2,138,400</b>

<b>EXPENSE</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Marinas/Docks	\$16,700			
<b>Total</b>	<b>\$16,700</b>			
Importance Code A	\$16,700			
<b>Total</b>	<b>\$16,700</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**  
**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	\$320,800	2024	\$320,800			
		<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Abrasion</i>						
Timber	85%			2021	\$1,817,700			
		<i>Other Observation, Extent : Light, Area Affected : 30%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Abrasion</i>						
Piles								
Timber	5%	Now	\$38,700	2031	* *			
		<i>Other Observation, Extent : Severe, Area Affected : 40%</i>						
		<i>Location : Offshore Clusters</i>						
		<i>Explanation : Broken</i>						
Timber	10%	4+	\$77,500	2031	* *			
		<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Impact Damage</i>						
Timber	45%			2027	* *			
Not Accessible	40%							
Wales and Chocks								
Timber	10%	2-4	\$204,200	2031	* *			
		<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Isolated Throughout</i>						
		<i>Explanation : Impact Damage</i>						
Timber	50%			2027	* *			
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>	
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	\$16,700	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 : 23-Oct-2015

**DEPARTMENT OF TRANSPORTATION - FY 2016**

**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** : 09-Jan-2012 **Landmark Status** : NONE  
**Areas Surveyed** :  
**Block** : **Lot** : **BIN** :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks		\$285,200
<b>Total</b>		<b>\$285,200</b>
Importance Code A		\$285,200
<b>Total</b>		<b>\$285,200</b>

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$11,600	\$500	\$2,800	\$200
<b>Total</b>	<b>\$11,600</b>	<b>\$500</b>	<b>\$2,800</b>	<b>\$200</b>
Importance Code A	\$11,400		\$700	
Importance Code B	\$100	\$100	\$2,000	\$100
Importance Code C	\$100	\$300	\$100	\$100
<b>Total</b>	<b>\$11,600</b>	<b>\$500</b>	<b>\$2,800</b>	<b>\$200</b>



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

**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%			2043	* *	1-3	\$6,700	
<i>Corrosion, Extent : Light, Area Affected : 15%</i>								
<i>Location : At Underside And Along Surface Of East And West Gangways</i>								
Floating Docks								
Anchor Piles								
Steel	50%			2043	* *	3-5	\$2,200	
<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>								
Not Accessible								
	50%							
Deck								
Steel	100%			2021			\$2,600	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Surface And Underside Of Elevated Platform</i>								
Fenders								
Rubber	25%			2021	\$500	1-2	\$400	
<i>Worn, Extent : Light, Area Affected : 2%</i>								
<i>Location : Rubber Tires At West Side</i>								
Rubber	25%			2022	\$500	1-2	\$400	
<i>Worn, Extent : Light, Area Affected : 2%</i>								
<i>Location : North Face Of Barge</i>								
Timber	25%			2021	\$300	3	\$800	
<i>Worn, Extent : Light, Area Affected : 10%</i>								
<i>Location : South Face Of Barge</i>								
No Component								
	25%							
Barge								
Steel	60%			2032	* *	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								
Railing								
Steel	100%			2021			\$285,200	
<i>Corrosion, Extent : Light, Area Affected : 5%</i>								
<i>Location : Isolated Throughout</i>								
Electrical								
Conduit								
Steel	100%			2022			\$14,500	
Lighting Fixture								
Sodium	100%			2017			\$8,600	

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## DEPARTMENT OF TRANSPORTATION - 841

## Project : HIGHWAYS

CAPITAL		FY 2017 - 2020		FY 2021 - 2026	
Miscellaneous Buildings		142,700		64,900	
EXPENSE		FY 2017	FY 2018	FY 2019	FY 2020
Miscellaneous Buildings		178,300	23,000	27,800	27,700

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
545	ARTERIAL & FLEET SERVICES SHED 2	1,000	0	19,900
546	ARTERIAL & FLEET SERVICES SHED 3	1,000	0	19,900
547	ARTERIAL & FLEET SERVICES SHED 4	1,000	0	19,900
548	ARTERIAL & FLEET SERVICES GUARD HOUSE 1	96	0	1,900
553	KENT AVENUE BRIDGE COMPLEX GARAGE 6, 7 & BOILER ROOM	2,248	58,600	4,400
565	ARTERIAL & FLEET SERVICES STORAGE 2	1,073	0	21,300
566	ARTERIAL & FLEET SERVICES TRAILER 1	300	0	6,000
567	ARTERIAL & FLEET SERVICES TRAILER 2	224	0	4,400
568	ARTERIAL & FLEET SERVICES TRAILER 3	480	0	9,500
569	ARTERIAL & FLEET SERVICES TRAILER 4	480	0	9,500
570	ARTERIAL & FLEET SERVICES SHED 1	600	0	11,900
1014	GLENDALE YARD BLDG. 6	831	0	16,500
1015	GLENDALE YARD BLDG. 5	913	0	18,100
1016	GLENDALE YARD BLDG. 8	600	0	11,900
1017	GLENDALE YARD BLDG. 9	288	0	5,700
1025	HAMILTON AVE. ASPHALT PLANT STORAGE	1,472	38,300	2,900
1026	HAMILTON AVE. ASPHALT PLANT STORAGE	96	0	1,900
1027	FLATLANDS AVENUE YARD GARAGE 7	105	0	2,100
1037	FLATLANDS AVENUE YARD GARAGE 3	480	0	9,500
1038	FLATLANDS AVENUE YARD GARAGE 4	1,000	0	19,900
1039	FLATLANDS AVENUE YARD GARAGE 5	1,000	0	19,900
1040	FLATLANDS AVENUE YARD GARAGE 6	576	0	11,400
14124	BROOKLYN ARTERIAL HWYS GARAGE	4,250	110,700	8,300

## Project : WATERWAY BRIDGES

CAPITAL		FY 2017 - 2020		FY 2021 - 2026	
Special Systems		0		0	
EXPENSE		FY 2017	FY 2018	FY 2019	FY 2020
Special Systems		12,007,000	12,267,000	13,531,000	13,819,000

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
2462	MANHATTAN BRIDGE MANHATTAN BRIDGE/EAST RIVER	1,203,814	0	11,747,000
2463	WILLIAMSBURG BRIDGE WILLIAMSBURG BR/EAST RIVER	741,020	0	13,471,000

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

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

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## DEPARTMENT OF TRANSPORTATION - 841

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
2464	QUEENSBORO BRIDGE QUEENSBORO BR/EAST RIVER	1,287,107	0	14,660,000
2815	BROOKLYN BRIDGE BROOKLYN BRIDGE/I-278 BQE	633,015	0	11,746,000

## Project: FERRIES

CAPITAL	FY 2017 - 2020		FY 2021 - 2026	
Special Systems	27,700,000		0	
EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Special Systems	3,648,000	0	0	0

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
1018	FERRY-JOHN F. KENNEDY		2,000,000	83,000
1021	FERRY-ANDREW J. BARBIERI		3,200,000	83,000
1022	FERRY-SAMUEL I. NEWHOUSE		6,400,000	83,000
4307	FERRY-ALICE AUSTEN		1,000,000	75,000
4308	FERRY-JOHN A. NOBLE		2,600,000	1,075,000
4538	FERRY-MOLINARI		5,000,000	83,000
4539	FERRY-MARCHI		5,000,000	2,083,000
4540	FERRY-SPIRIT		2,500,000	83,000

## Project: ELECTRIC CONTROL

CAPITAL	FY 2017 - 2020		FY 2021 - 2026	
Special Systems	34,966,000		0	
EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Special Systems	23,400,000	23,400,000	23,400,000	23,400,000

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
2829	STREET LIGHTING SYSTEM		34,966,000	93,600,000

## Project: HIGHWAYS

CAPITAL	FY 2017 - 2020		FY 2021 - 2026	
Special Systems	2,328,110,000		0	
EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Special Systems	0	0	0	0

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
2841	STREETS AND HIGHWAYS PRIMARY		385,260,000	0
2842	STREETS AND HIGHWAYS SECONDARY		541,830,000	0
2843	STREETS AND HIGHWAYS LOCAL		1,334,560,000	0
2844	STREETS AND HIGHWAYS ARTERIAL		40,000,000	0
2845	STREETS AND HIGHWAYS STEP		26,460,000	0

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## DEPARTMENT OF TRANSPORTATION - 841

Project: TRAFFIC

<b>CAPITAL</b>		<b>FY 2017 - 2020</b>		<b>FY 2021 - 2026</b>	
Special Systems		15,346,000		0	
<b>EXPENSE</b>		<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Special Systems		39,066,000	42,322,000	42,322,000	42,322,000
<b>ASSET #</b>	<b>NAME</b>	<b>SQFT</b>		<b>CAPITAL</b>	<b>EXPENSE</b>
2830	TRAFFIC LIGHT SYSTEM			15,346,000	166,032,000

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Estimates are rounded to the nearest hundred dollars.

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

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